



# CORCORAN

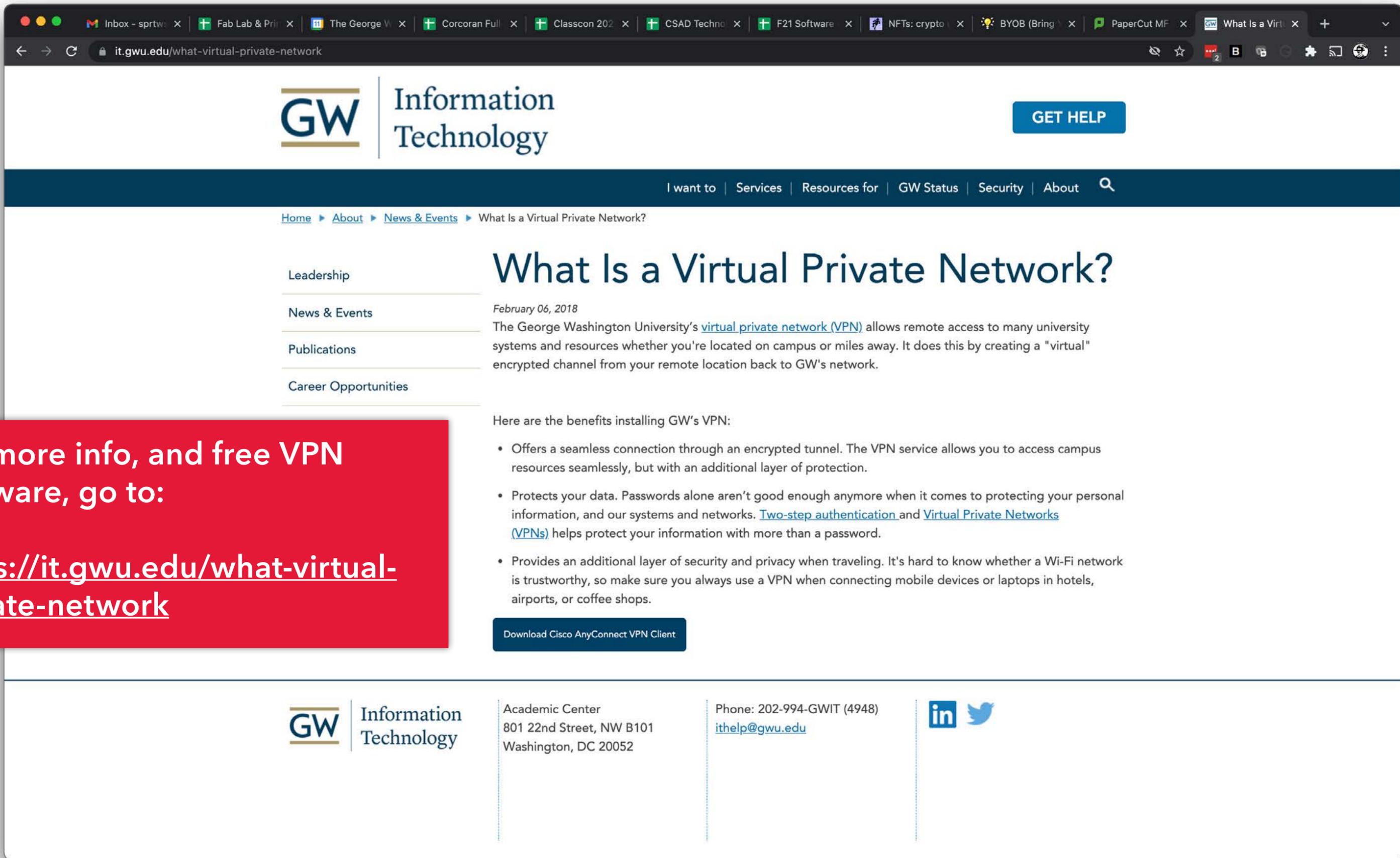
A person wearing a VR headset and holding controllers, standing in a room with a camera on a tripod. The background is a plain wall with a camera on a tripod to the right.

# Fab Lab & Print Services/S22

Need large format ink-jet prints? Laser cutting or engraving? and 3D prints? Jobs may be submitted to the service bureau: **use the PaperCut portal:**

**<https://go.gwu.edu/CSADservice>**

**Note: if you on a campus network,  
that link will take you directly to the portal;  
if you are not on campus, you'll need  
to connect to the campus network  
using VPN software.**



Leadership

News & Events

Publications

Career Opportunities

# What Is a Virtual Private Network?

February 06, 2018

The George Washington University's [virtual private network \(VPN\)](#) allows remote access to many university systems and resources whether you're located on campus or miles away. It does this by creating a "virtual" encrypted channel from your remote location back to GW's network.

Here are the benefits installing GW's VPN:

- Offers a seamless connection through an encrypted tunnel. The VPN service allows you to access campus resources seamlessly, but with an additional layer of protection.
- Protects your data. Passwords alone aren't good enough anymore when it comes to protecting your personal information, and our systems and networks. [Two-step authentication](#) and [Virtual Private Networks \(VPNs\)](#) helps protect your information with more than a password.
- Provides an additional layer of security and privacy when traveling. It's hard to know whether a Wi-Fi network is trustworthy, so make sure you always use a VPN when connecting mobile devices or laptops in hotels, airports, or coffee shops.

Download Cisco AnyConnect VPN Client

For more info, and free VPN software, go to:  
<https://it.gwu.edu/what-virtual-private-network>



Log Out

# Software Downloads

Welcome **Bernard Huckenpahler**. Select a category or follow the appropriate "Download" links below to obtain software.

Category:

**Download the version of the software for your OS.**

## Cisco VPN (Off-Campus Access)

### Cisco AnyConnect 4.9.06037 for Mac OSX

[Download CiscoAnyConnect-4.9.06037-Mac.dmg](#) (42.24 MB) (File will begin downloading in a few seconds)

Cisco AnyConnect 4.9.06037 for macOS 10.13 and Higher, includes the GWVPN profile by default. macOS Big Sur (11.0) compatible and includes bug fixes specifically for macOS.

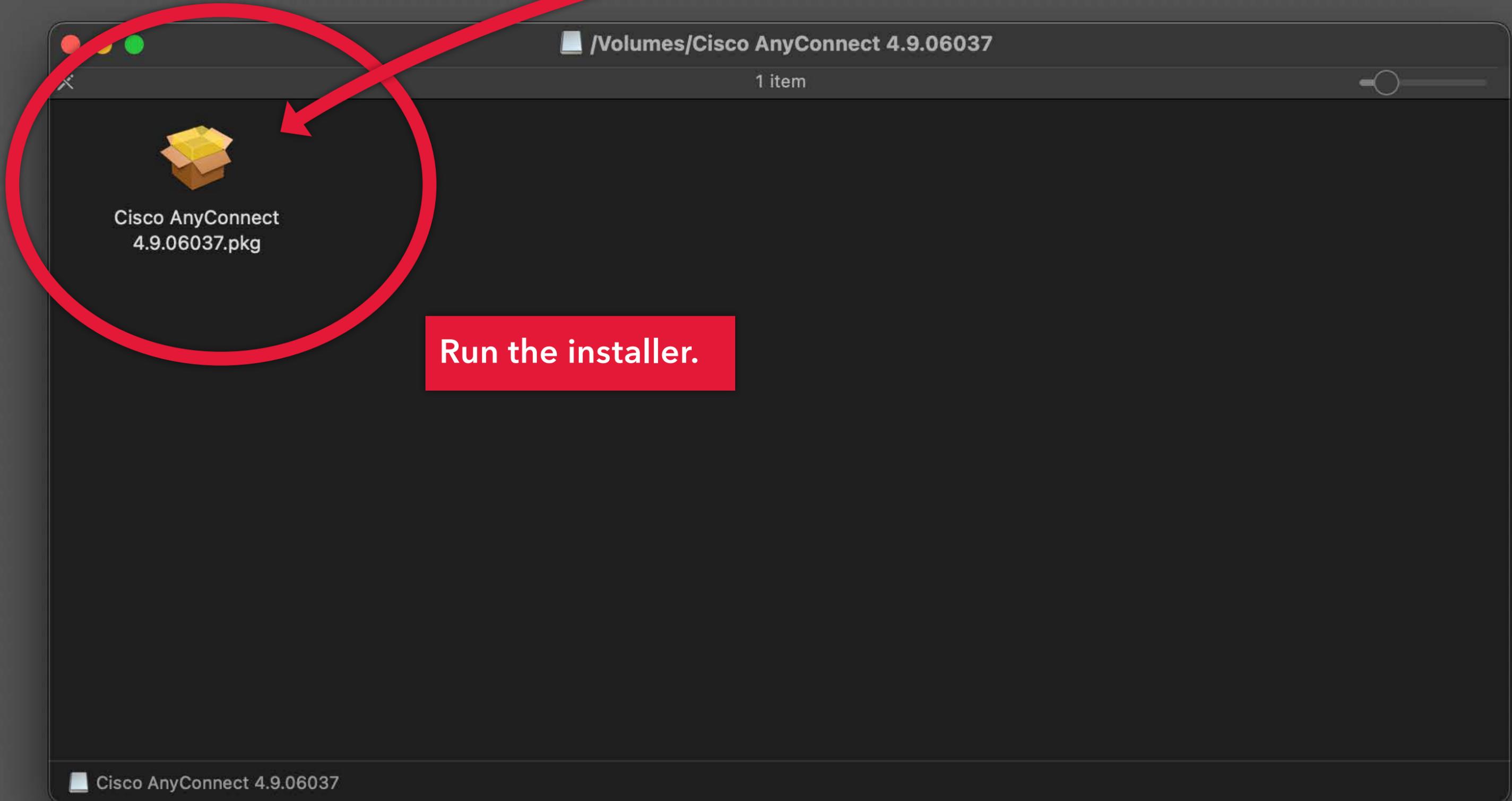
### Cisco AnyConnect 4.9.06037 for Linux

[Download anyconnect-linux64-4.9.06037-predeploy-k9.tar.gz](#) (26.18 MB) (File will begin downloading in a few seconds)

### Cisco AnyConnect 4.8.02045 for Windows

[Download CiscoAnyConnect-4.8.02045-Win.exe](#) (22 MB) (File will begin downloading in a few seconds)

Cisco AnyConnect 4.8.02045 for Windows 7 and Higher, includes the GWVPN profile by default.



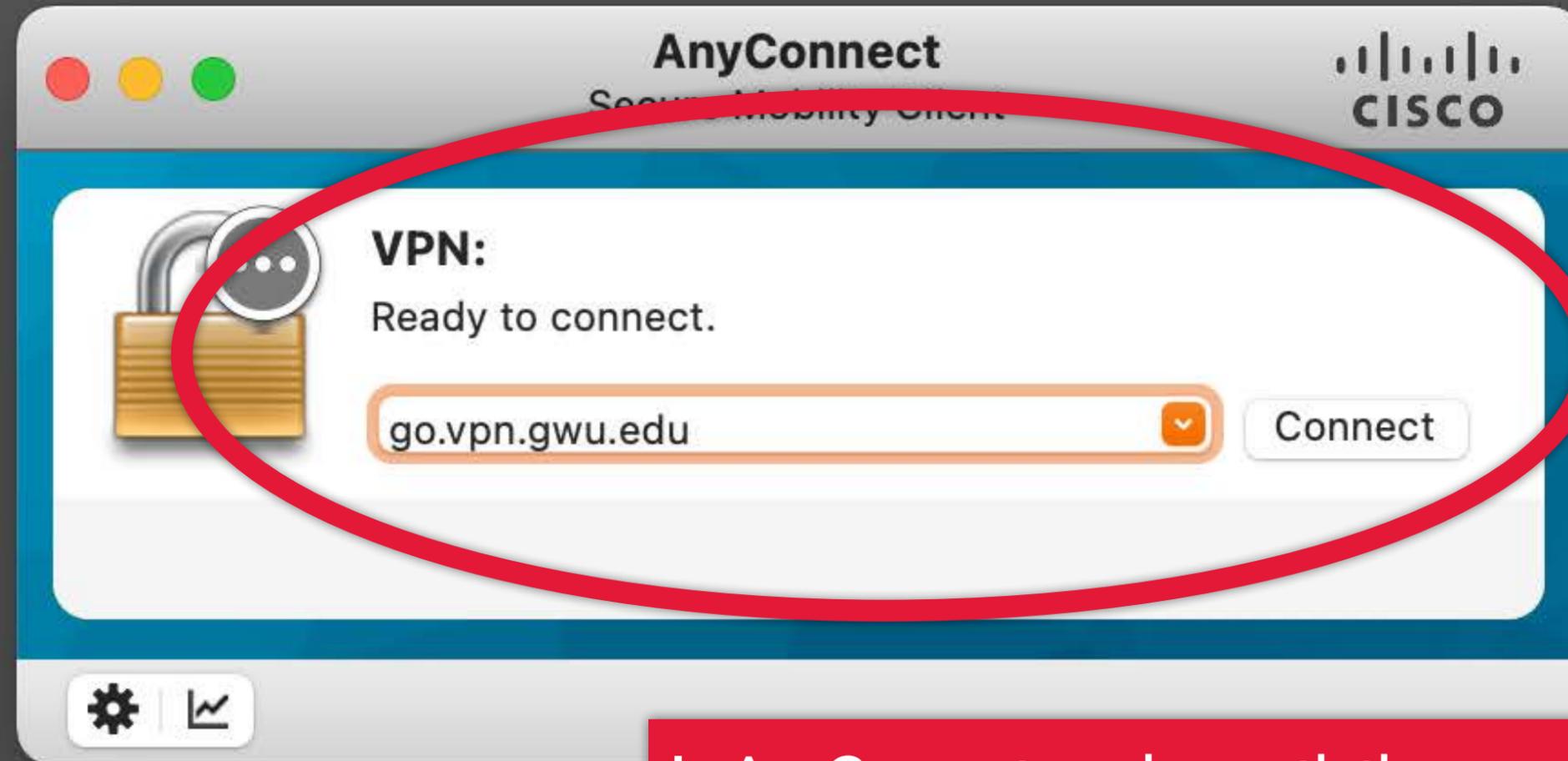
Run the installer.

Mac OS Finder window showing the path `/Applications/Cisco`. The file `Cisco AnyConnect Secure Mobility Client.app` is selected and highlighted in orange. A red text box is overlaid on the center of the window with the text: **Launch the Cisco AnyConnect Secure Mobility Client...**

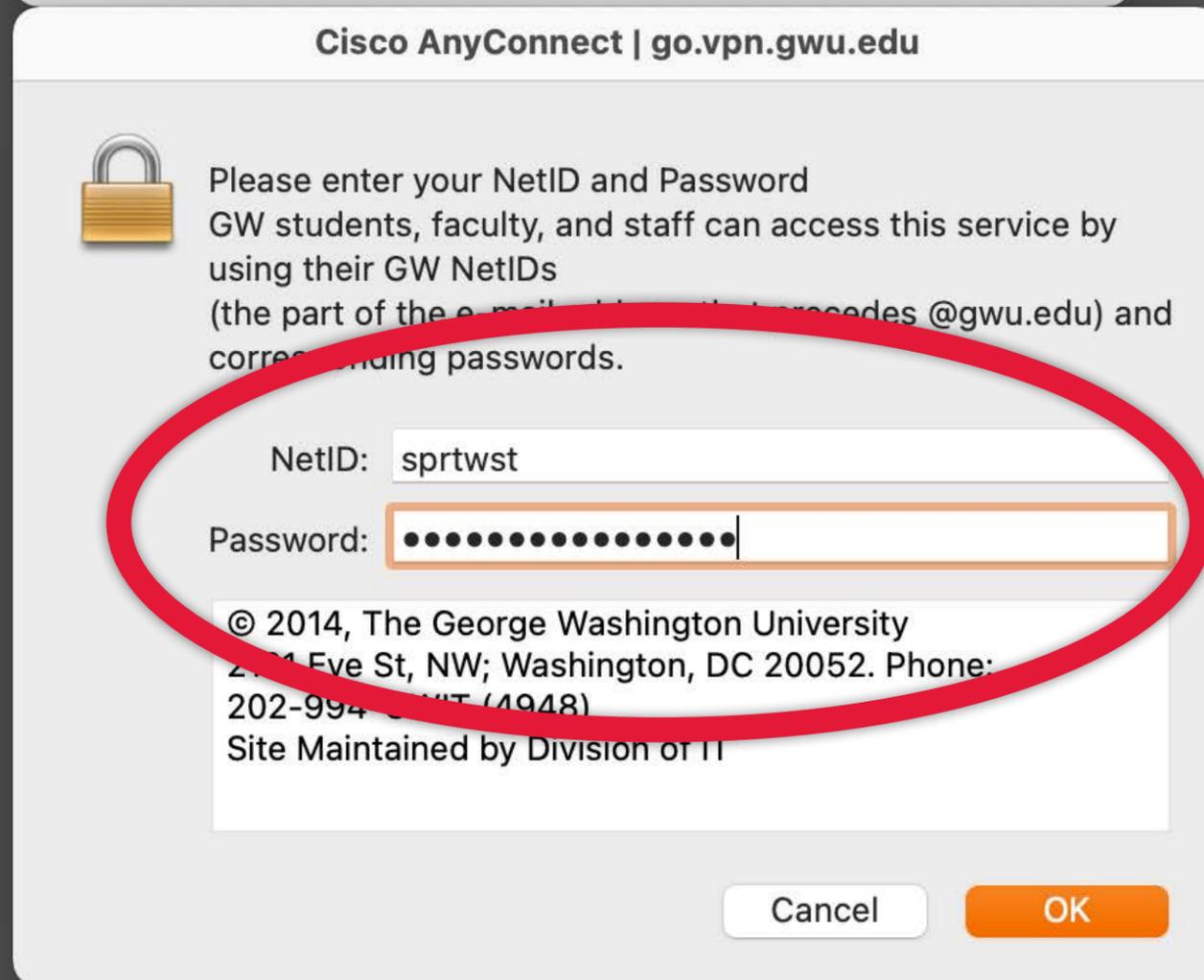
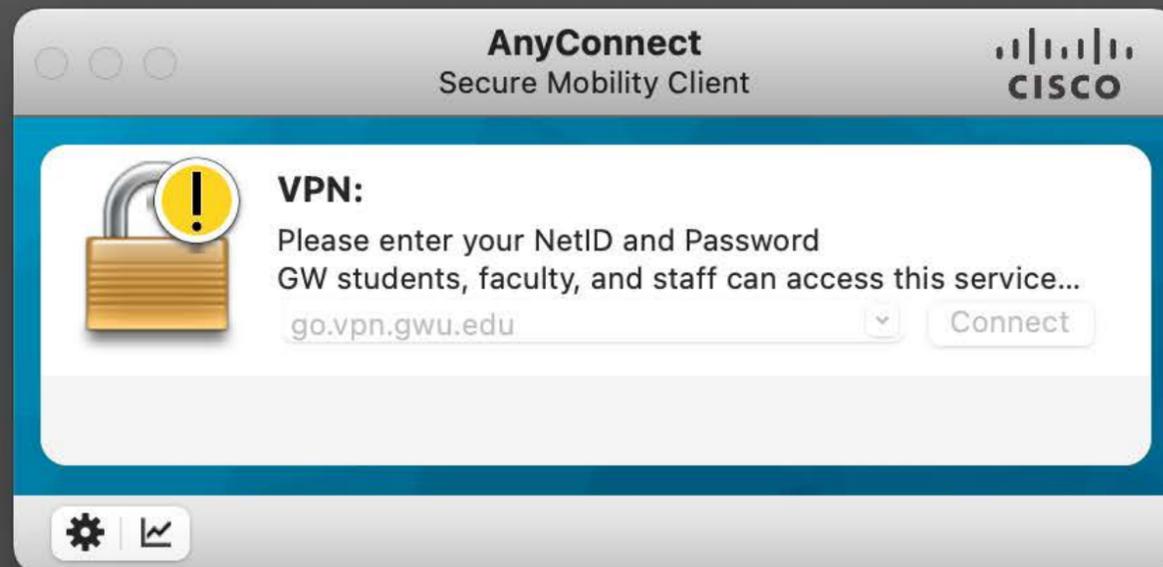
The right-hand pane displays the details for the selected application:

- Cisco AnyConnect Secure Mobility Client.app**
- Application - 3.5 MB
- Information** [Show Less](#)
- Created: Friday, January 22, 2021 at 11:44 AM
- Modified: Today, 12:35 PM
- Last opened: Today, 12:36 PM
- Version: 4.9.06037
- Category: Utilities
- More...

The breadcrumb path at the bottom of the window is: `Macintosh HD > Applications > Cisco > Cisco AnyConnect Secure Mobility Client.app`. The status bar at the bottom indicates "1 of 5 selected, 5.91 TB available".



In AnyConnect, underneath the 'Ready to Connect' message in the white space, type <https://go.vpn.gwu.edu/> and click on Connect



Use your NetID (GW email address WITHOUT @gwu.edu) and the associate password to log in.

Now you can access the portal from anywhere!

If connected successfully you'll see a brief message and the AnyConnect bar will hide away and you'll see the Cisco AnyConnect icon in your Windows task bar or Mac menu bar.

Next time you launch and connect to Cisco AnyConnect, the <https://go.vpn.gwu.edu/> will be replaced by GWVPN which you can select to reconnect.

fb-papercut-p01.ead.gwu.edu:9192/user

PaperCut MF | 21.0

Username

Password

Log in

English

PaperCut MF Print Management Software licensed to GWU Columbian College of Arts and Sciences

Use your NetID (GW email address **WITHOUT** @gwu.edu) and the associate password to log in.

If you are having trouble logging in, contact Devin Pace at [paced@gwu.edu](mailto:paced@gwu.edu)

Browser tabs: Fab Lab & Print, The George Was, Corcoran Full-ti, Classcon 2021, CSAD Technolog, F21 Software ch, NFTs: crypto gri, BYOB (Bring You, PaperCut MF

Address bar: fb-papercut-p01.ead.gwu.edu:9192/job-ticketing/customer/rooms/1

Page Header: PaperCut MF, Corcoran Fab Lab, HB Huckenpahler, Bernard James

**CSAD FAB LAB**

**Location:** Flagg B148  
**Pick-up:** Outside of Flagg B148  
**Hours:** 9AM-6PM  
**Email:** [corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)  
**Turn Around:** We will do our best to get work back to you within 24 hours. Please allow for extra time during busy periods (e.g. mid and end term projects). Look at announcements for other delays.  
**Laser Template:** When prepping a file for laser cutting, please use the [template](#).  
**Tips:** For general How-To's and other tips, visit our [GitHub](#).

**ANNOUNCEMENTS**

**PD** Thanks for trying out the new service! There may be some hiccups; if there are any issues, please contact [PaceD@gwu.edu](mailto:PaceD@gwu.edu).  
Pace, Devin, 3 days ago

Choose Product    My Orders

**You'll see helpful info and announcements at the top of the screen.**

**Choose a Product**

-  3D print
-  Desktop Milling
-  Large Format Printing
-  Laser Cutting

**My Orders**

Order	Title	Product	Cost	Last activity	Status
#0008	print stuff	Large Format Printing		September 28, 2021 10:32 AM	Cancelled

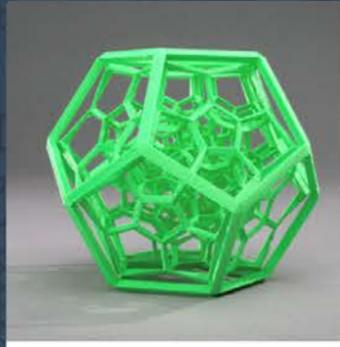
**CSAD FAB LAB**  
**Location:** Flagg B148  
**Pick-up:** Outside of Flagg B148  
**Hours:** 9AM-6PM  
**Email:** [corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)  
**Turn Around:** We will do our best to get work back to you within 24 hours. Please allow for extra time during busy periods (e.g. mid and end term projects). Look at announcements for other delays.  
**Laser Template:** When prepping a file for laser cutting, please use the [template](#).  
**Tips:** For general How-To's and other tips, visit our [GitHub](#).

**ANNOUNCEMENTS**  
Thank you for...  
there...  
Pace...

But the good stuff is down here: products we offer. (And we'll be adding more in the future.)

Choose Product My Orders

**Choose a Product**



3D print



Desktop Milling



Large Format Printing



Laser Cutting

**My Orders**

Order	Title	Product	Cost	Last activity	Status
#0008	print stuff	Large Format Printing		September 28, 2021 10:32 AM	Cancelled

## Choose a Product



Start Order

3D print



Click on the product name to see helpful submission info.

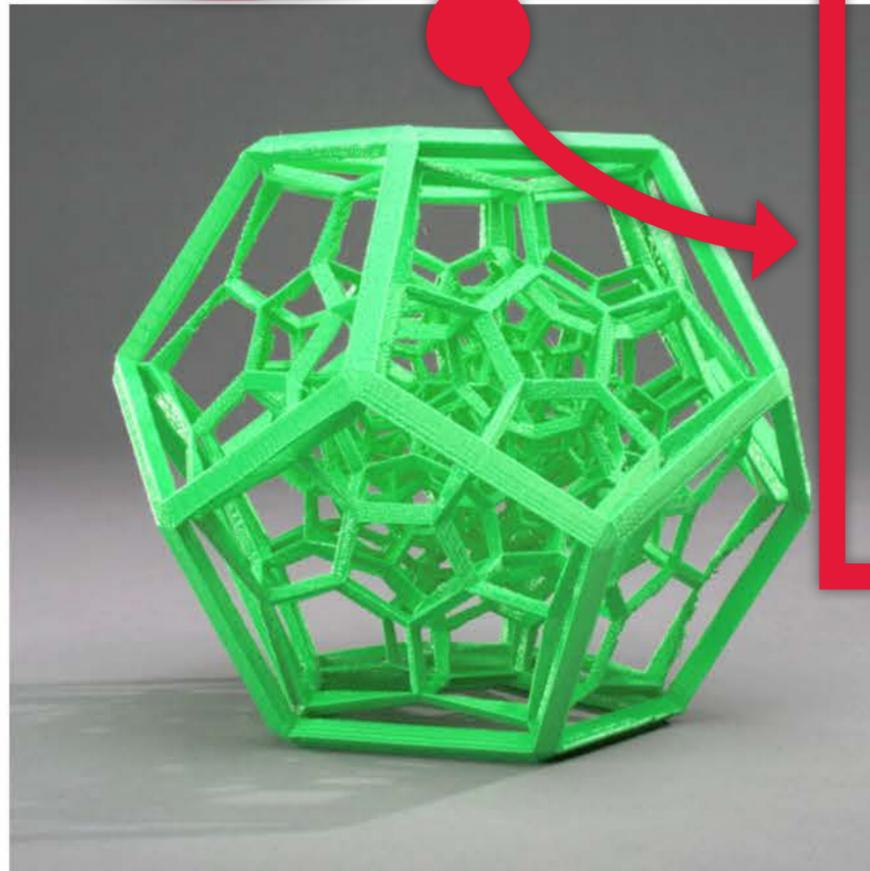
Desktop Milling



Large Format Printing



Laser Cutting



### 3D print

Use [Makerbot Print](#) software to prepare your file. Arrange, size and apply print settings to your .STL file(s) on the build plate. Then go to "File > Save Project As..." and upload the saved .PRINT file via the submission form. Your model will be printed on random colors or natural(unpigmented filament) PLA. Tips can be found on our [GitHub Wiki](#)

Start Order



Email: [corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)

**Turn Around:** We will do our best to get work back to you within 24 hours. Please allow for extra time during busy periods (e.g. mid and end term projects). Look at announcements for other delays.

**Laser Template:** When prepping a file for laser cutting, please use the [template](#).

**Tips:** For general How-To's and other tips, visit our [GitHub](#).

Choose Product

My Orders

Click on a product photo to go straight to the submission form.

### Choose a Product



3D print



Desktop Milling



Large Format Printing



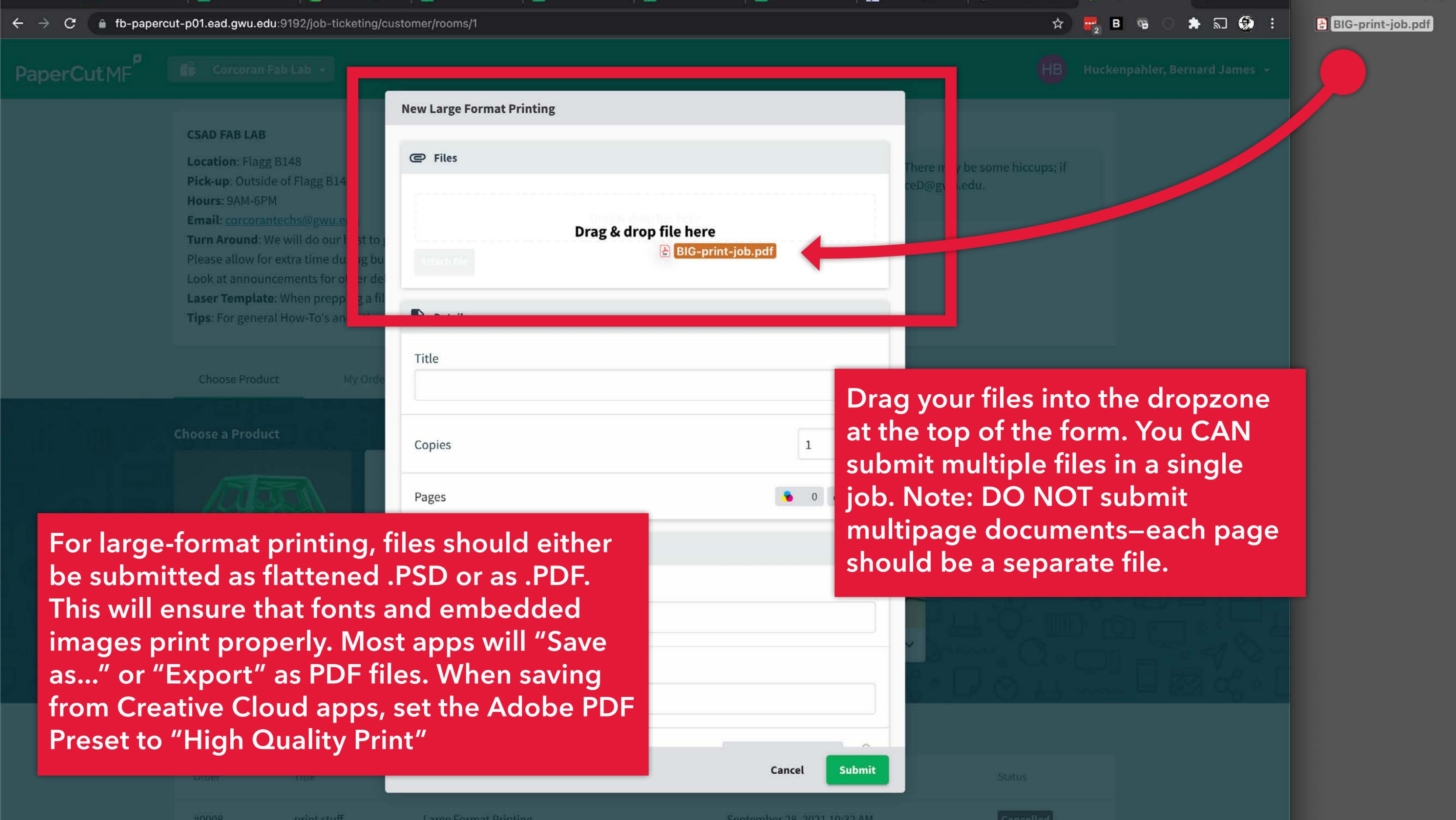
Laser Cutting



### My Orders

Order	Title	Product	Cost	Last activity	Status
-------	-------	---------	------	---------------	--------

**Note: different products have different options in the order forms. The following slides show what to look out for:**



For large-format printing, files should either be submitted as flattened .PSD or as .PDF. This will ensure that fonts and embedded images print properly. Most apps will "Save as..." or "Export" as PDF files. When saving from Creative Cloud apps, set the Adobe PDF Preset to "High Quality Print"

Drag your files into the dropzone at the top of the form. You CAN submit multiple files in a single job. Note: DO NOT submit multipage documents—each page should be a separate file.

**Location:** Flagg B148

**Pick-up:** Outside of Flagg B148

**Hours:** 9AM-6PM

**Email:** [corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)

**Turn Around:** We will do our best to

Please allow for extra time during bu

Look at announcements for other de

**Laser Template:** When prepping a fi

**Tips:** For general How-To's and other

## Files

 BIG-Print-Job.pdf

October 28, 2021 2:

Attach file

Give the job a name and select number of copies.

## Details

Title

big print

Copies

1

Pages

 0  1

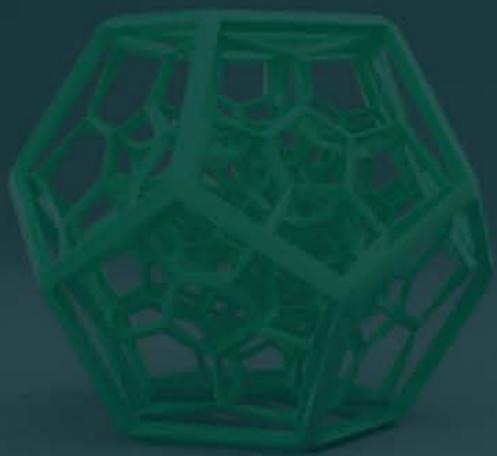
 BIG-Print-Job.pdf

0 1

## Setup

I understand you will not scale my project for me, my expected size is:

I understand that each file should only contain one page.



3D print

## New 3D print

### Files

Drag & drop file here

Attach file

### Details

Title

Copies

Pages

### Print information

Print mode

Balanced



Material

PLA



For 3D print jobs, use the Makerbot Print software to prepare your file. Arrange, size and apply print settings to your .STL file(s) on the build plate; Then go to "File > Save Project As..." and upload the saved .PRINT file

For Desktop Milling jobs, save your file as a .STP/.STEP if you can, or .STL if needed. View the documentation for the modeling program you are using if you're unsure of your app's export settings.

### Materials

Choose Material from List below

Machinable foam



What class is this for?

### Accounting

Charge to

### Delivery & Instructions

Delivery option

Pickup



Hallway pickup outside of Flagg B148

Note, we currently only offer 'Machinable Foam.' If you are interested in working with other materials, contact Devin Pace at: [paced@gwu.edu](mailto:paced@gwu.edu)

Pages 0 0

**File Prep**

Did you use the Laser Template Choose 'Yes' or 'No' >

Material Choose your material >

What class is this for?

**Accounting**

Charge to Personal account 🔒

**Delivery & Instructions**

Delivery option Pickup 🔒

Hallway pickup outside of Flagg B148

Additional instructions

There may be some hiccups; if  
ceD@gwu.edu.

Material

- Clear Acrylic
- 2mm Birch
- Birch
- Corrugated Cardboard
- corrugated cardboard
- single-ply chip board
- single-ply chip board
- 2-ply chip board
- 2-ply chip board



**For laser jobs, it is STRONGLY recommended that you use the Adobe Illustrator template for setting up your jobs. It can be found on the lab's [GITHUB](#). Save your jobs as .PDF files.**

Pages

0 0

### File Prep

Did you use the Laser Template

Choose 'Yes' or 'No' >

Material

Choose your material: >

What class is this for?

**For laser jobs, choose your material.  
If you are interested in working with  
other materials, contact Devin Pace at:  
paced@gwu.edu**

Charge to

Personal account



### Delivery & Instructions

Delivery option

Pickup



Hallway pickup outside of Flagg B148

Additional instructions

There may be some hiccups; if  
paced@gwu.edu.

Material

Choose your material:

2mm Clear Acrylic  
Clear Acrylic

3mm Clear Acrylic  
Clear Acrylic

2mm Birch  
Birch

Corrugated Cardboard  
corrugated cardboard

single-ply chip board  
single-ply chip board

2-ply chip board  
2-ply chip board

For all jobs, add the class that this job is for, or indicate that is a personal project.

Width  
18

Epson Enhanced Matte

What class is this for?

IA Studio 2

**Accounting**

Charge to

Personal account

**Delivery & Instructions**

Delivery option

Pickup

Hallway pickup outside of Flagg B148

Additional instructions

Cancel

Submit

Email: [corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)

**Turn Around:** We will do our best to

Please allow for extra time during bu

Look at announcements for other de

**Laser Template:** When prepping a fil

**Tips:** For general How-To's and other

Choose Product

My Order

Width

18

Paper Stock

Epson Enhanced Matte



What class is this for?

IA Studio 2

The pickup location for all finished jobs is the shelves outside of Flagg B148.

Personal account



 Delivery & Instructions

Delivery option

Pickup



Hallway pickup outside of Flagg B148

Additional instructions

Cancel

Submit

Status

My Orders

Order

Title

Paper Stock

Epson Enhanced Matte



What class is this for?

IA Studio 2

**\$ Accounting**

Charge to

Personal account



**🚚 Delivery & Instructions**

Delivery option

Pickup



Hallway pickup outside of Flagg B148

Additional instructions

[Empty text input field]

**Hit submit!**

Cancel

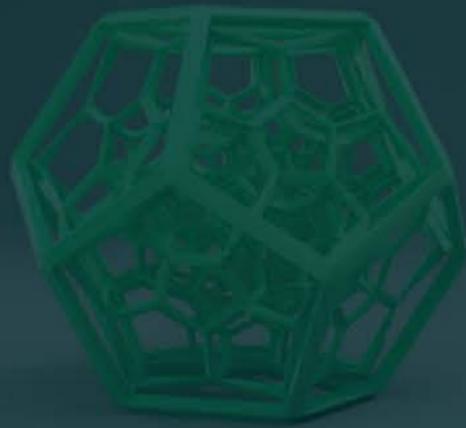
**Submit**

Status

Choose Product

My Order

**Choose a Product**



3D print



**My Orders**

Order

Title

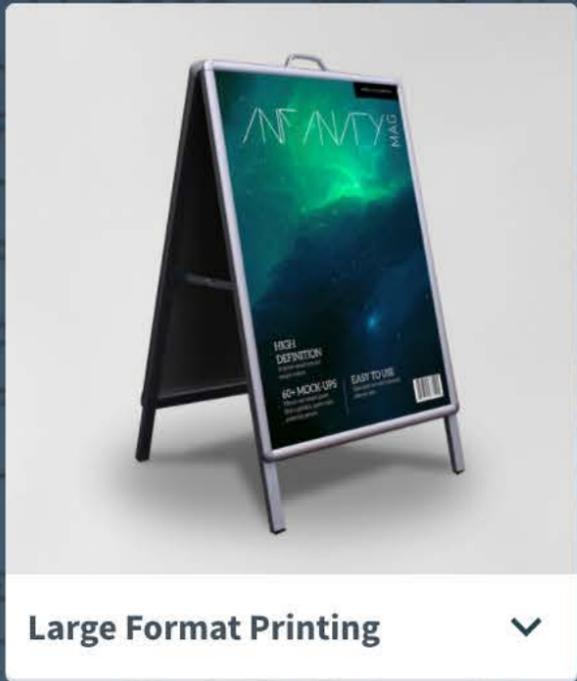
#0008

print stuff

Large Format Printing

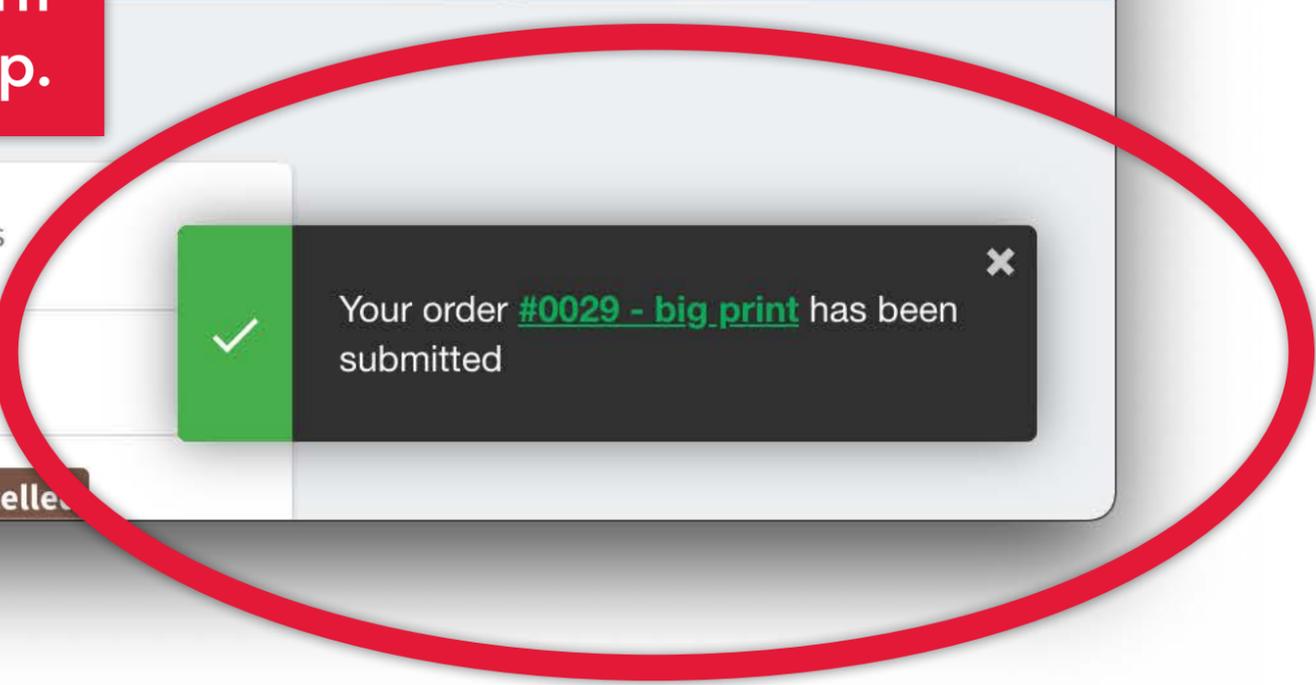
September 28, 2021 10:32 AM

**Cancelled**



Once your job is submitted, you'll return to the home screen and see this pop-up.

	Cost	Last activity	Status
Printing		October 11, 2021 8:22 AM	New
Printing		September 28, 2021 10:32 AM	Cancelled



Your Corcoran Fab Lab order has been submitted.  Inbox x



**no-reply@papercut.gwu.edu**  
to sptwst ▾

8:22 AM (2 minutes ago) ☆ ↶ ⋮

**PaperCutMF**

Hi, there!

Your Large Format Printing order with the Corcoran Fab Lab has been submitted. We will do our best to get it back to you within 24 hours. Please allow extra time around busy periods such as mid and end of semester projects.

[View Order](#)

**You'll receive an email that looks a little like this...**

 Reply  Forward

Your Corcoran Fab Lab order has been completed. Σ Inbox x



no-reply@papercut.gwu.edu  
to sptwst ▾

8:24 AM (1 minute ago) ☆ ↶ ⋮

PaperCut MF<sup>®</sup>

Hi, there!

Your Large Format Printing order with the Corcoran Fab Lab has been completed. It is available for pickup in the hallway outside B148.

[View Order](#)

... and once the job is done, you'll get an email that looks a little like this. After you get this email...

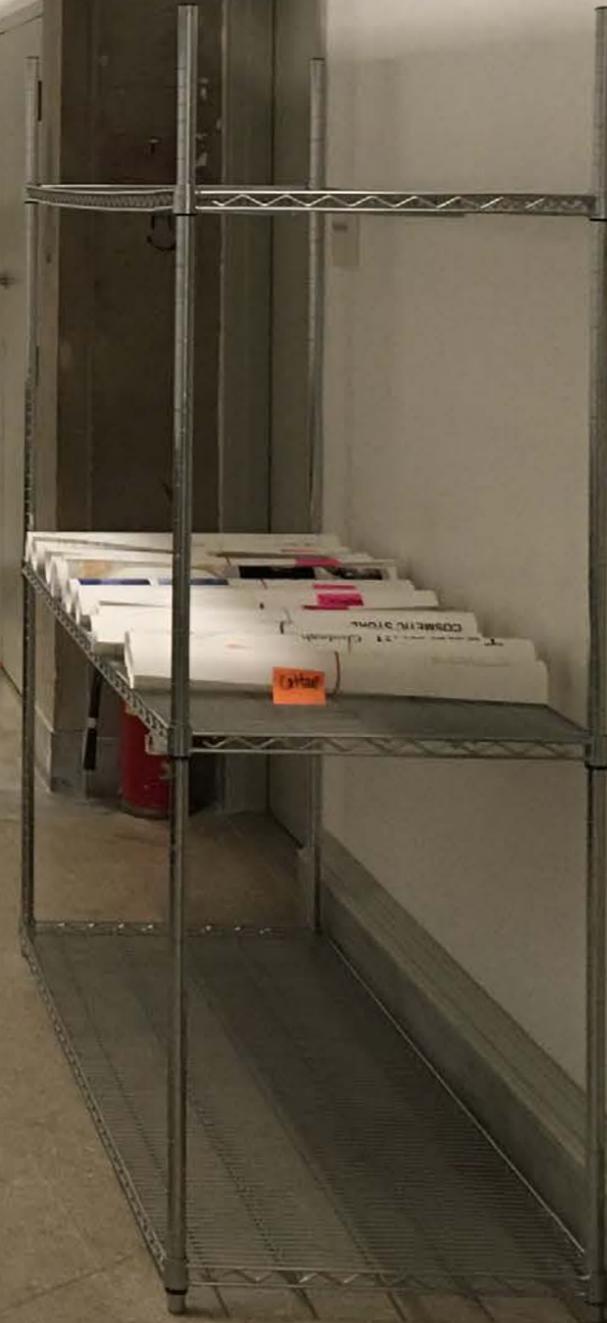
↶ Reply

↷ Forward

Flagg B148!



Shelves with finished jobs.



**Large-format print submission guidelines:**

We accept print files with output sizes larger than 11" x 17" up to 44" wide x 10' long on Epson Enhanced Matte paper. We run the jobs as-is: make sure your document is set up to the desired output size. Files 11" x 17" or smaller will be rejected (they can be printed on color copiers.)

We do not print full-bleeds; ensure 1/4" margin on your art. (If you submit an 18" x 24" job with a full bleed we will scale it down slightly to run on a 24" wide roll.)

We do not trim finished prints; you'll need to trim finished prints in your studio. You may want to add a bounding box or trim marks.

Files should either be submitted as flattened .PSD, .JPG or as .PDF. This will ensure that fonts and embedded images print properly. Most apps will "Save as..." or "Export" as PDF files. When saving from Creative Cloud apps, set the Adobe PDF Preset to "High Quality Print" If you are submitting a .PSD or .JPG, make sure the image resolution is at least 180ppi.

We do not accept multipage documents; each print should be submitted as a separate file; for example, if you have multiple boards in a multipage InDesign file, each page should be submitted as a separate job.

### **Laser cutting and engraving submission guidelines:**

Use the [Illustrator template](#) for preparing your file, then save as .PDF and upload your finished work via the submission form. The template is set up in the correct color mode and has the correct color swatches built in: **the laser is very picky** and requires RGB colors. Artboards set to the CMYK color space will output the wrong colors, even if you manually choose the correct RGB values.

Be sure to indicate which material you wish to cut/engrave.

If there is type/text in your artwork, convert the type to outlines, to ensure the correct font.

### **3D printing submission guidelines:**

Use the [Makerbot Print software](#) to prepare your file. Arrange, size and apply print settings to your .STL file(s) on the build plate; Then go to "File > Save Project As..." and upload the saved .PRINT file via the submission form.

### **Desktop milling submission guidelines:**

Go to our [GitHub site](#) to view some important parameters. Save your file as a .STP/.STEP if you can, or .STL if needed. View the documentation for the modeling program you are using if you don't know how. You will need to provide the material to be machined. We recommend providing extra in case any testing needs to be performed or there were issues with the file.

**JAMES HUCKENPAHLER  
DEVIN PACE**

**[corcorantechs@gwu.edu](mailto:corcorantechs@gwu.edu)**

