

## Education

### Princeton University

Sep 2014 - June 2018

Major: Computer Science B.S.E

Courses: Algorithms & Data Structures, Machine Learning (ML), Computer Vision,  
Operating Systems, Systems Neuroscience.

## Experience

### MedStar Health Research Institute. Washington, D.C.

July 2016 - Aug 2016

Software & ML Engineer intern

- Applied Machine Learning models to the analysis of eye-tracking data.
- Prototyped a website for internal use for detecting the similarities between the names of different medications.

### Princeton Neuroscience Institute, Berry Lab. Princeton, NJ

June 2015 - Oct 2016

Lab intern

- Analyzed scientific data using MATLAB, looking for evidence in support of a specific model of neural networks.
- Gave presentations on scientific papers and literature reviews.

### Princeton University, Lewis Science Library. Princeton, NJ

Feb 2015 - June 2018

Library assistant

- Log books using the Voyager circulation program and assist patrons.

## Skills

**Programming Languages:** Python, C++, C, C#, Java, MATLAB, JavaScript, HTML, CSS, SQL.

**Libraries:** Tensorflow, PyTorch, OpenCV, Numpy, Pandas, Scikit-learn.

**Tools:** AWS, Unity3D, Linux, Git.

## Projects

- 3D reconstruction with Neural Networks  
<https://github.com/micmelesse/3D-reconstruction-with-neural-networks>
- Unity3D AI and Procedural Generation Framework.  
<https://github.com/Donut-Studios/Unity3D-AI-and-Procedural-Generation-Framework>
- Learning-to-Play-Video-Games-Using-Deep-Reinforcement-Learning  
<https://github.com/micmelesse/Learning-to-Play-Video-Games-Using-Deep-Reinforcement-Learning>

## Volunteering

### Contact Crisis Hot Line

Feb 2015 - June 2018

Project manager, assistant trainer, volunteer

- Take calls and internet chats from people suffering from mental health issues, Assist with the training and recruitment of volunteers.

## Honors, Awards, and Accomplishments

- CONTACT 2017 Volunteer Spotlight Award