

Michael Melesse

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Education

Princeton University

Fall 2014-Spring 2018

Major: Computer Science B.S.E

Course work: Machine Learning, Computer Vision, Operating Systems,
Algorithms and Data Structures, Systems Neuroscience.

Experience

MedStar Health Research Institute

Summer 2016

Summer intern

- Applied machine learning techniques to the analysis of eye-tracking data.
- Prototyped a website for internal use for detecting the similarities between the names of medication.

Berry Lab, Princeton Neuroscience Institute

Summer 2015-Spring 2016

Lab intern

- Analyzed scientific data using MATLAB to look for evidence that supports specific models of neural networks
- Gave presentations based on scientific papers and literature reviews around specific subjects

Fine Hall, Lewis Science Library

Spring 2014-Present

Library assistant

- provide information to and assist patrons
- perform closing procedures in the evenings

Skills

Proficient in Python, C, C#, Java, C++, MATLAB, HTML, CSS and JavaScript.

Projects

GitHub: <https://github.com/micmelesse>

- Unity3D AI and procedural generation framework
<https://github.com/Donut-Studios/Unity3D-Open-Source-AI-and-Procedural-Generation>
- Senior thesis, "Space reconstruction with neural networks"
<https://github.com/micmelesse/thesis>
- Personal website
<https://micmelesse.github.io/>

Extracurriculars

Contact Crisis Hot Line

Spring 2014-Present

Project manager, assistant trainer, volunteer

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