

# CHRISTOPHER LOOK

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## EDUCATION

**University of Maryland, College Park**

Aug. 2016 - May 2020

B.S. Computer Science

B.S. Bioengineering

GPA: 3.89

## EMPLOYMENT

**Amazon Web Services, Amazon**, Software Development Intern, Seattle, Washington

May 2019 - Aug. 2019

- Developed Python service to monitor and automatically react to organically growing API usage.
- Predicted which customers would get throttled based on past traffic and alerted them via ticket system.
- Unit tested with Mock and Pytest.

**Flatiron Health**, Software Engineer Intern, New York, New York

June 2018 - Aug. 2018

- Developed fullstack dashboard for developers to view and interact with builds, tickets, and code reviews.
- Fetched and displayed data on React frontend using .NET backend.
- Hosted on EC2 instance using Jenkins for continuous integration.

**Fischell Department of Bioengineering**, Assistant Researcher, College Park, MD

Sept. 2016 - May 2018

- Aided in elucidation of mechanism behind protein shape change in allostery using graph analysis.
- Analyzed amino acid node networks to find critical amino acids to aid in drug discovery.

## ACTIVITIES & PROJECTS

**Synapto, LLC**, Co-founder, Chief Technology Officer

Sept. 2016 - Current

- Lead team of four engineers using agile to develop Alzheimer's diagnosis technology with over 80% accuracy.
- Raised over \$40,000 in several competitions, and featured in Forbes, CBS, Washingtonian, and more.
- Developed pipeline to automatically analyze various datasets with modular implementation of new features.
- Used AWS to perform machine learning cross-validation on numerous models and featuresets

**Senvision**, Co-Founder

Aug. 2016 - Jan. 2018

- Devised twitter scraper with java and trained sentiment analysis model using NLTK & Sci-kit Learn.
- Traded real money on Robinhood, earning 2x the market over 5 months with pipeline on DigitalOcean.

**Dart At The Globe**, Lead Developer

Dec. 2018 - Jan. 2019

- Created ReactJS app to randomly choose a random location on land to visit using Google Maps API.

## AWARDS & ACCOMPLISHMENTS

**First Place, Design by Biomedical Undergraduate Teams Challenge** · NIBIB/NIH

Aug. 2017

- \$20,000 award in a national challenge against 41 competitors for EEG device to diagnose Alzheimer's disease.

**Compass Challenge Winners** · Bitcamp Hackathon

Apr. 2019

- Created app to telemonitor patient mental health by using NLP on social media communication.
- Scraped text from DOM with chrome extension, sent to server, analyzed with NLTK, displayed with ReactJS.

**Medhacks 3rd Place** · Johns Hopkins University

Sept. 2017

- Designed android app to track Parkinson's severity in response to drugs using CNN's and Tensorflow.

**Presidential Scholarship** · University of Maryland

Jan. 2016

- \$32,000 Merit based scholarship to University of Maryland.

## SKILLS

**COMPUTER:** Python, Java, C#, Ruby, Machine Learning, NLP, Javascript, HTML/CSS, Linux, Functional Programming, C

**TOOLS:** React, PostgreSQL, Sci-kit Learn, NLTK, Git, Jenkins, Tensorflow, Pandas