CHRISTOPHER LOOK

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EDUCATION

University of Maryland, College Park Aug. 2016 - May 2020
B.S. Computer Science
B.S. Bioengineering
GPA: 3.88

EMPLOYMENT

Amazon Web Services, Amazon, *Software Development Intern*, Seattle, Washington May 2019 - Aug. 2019
- Developed an application to monitor and automatically react to organically growing API usage.
- Predicted which customers would get throttled based on past traffic and alerted them.
- Designed service to unify 5 sources of data and reduce firefighting in AWS using python.

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 front end 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

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.

Senvision, *Co-Founder* Aug. 2016 - Jan. 2018
- Devised twitter scraper using python and java and trained sentiment analysis model using NLTK & Sci-kit Learn.
- Traded real money on Robinhood, earning 2x the market over 2 months using pipeline on DigitalOcean.

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.

Best Mental Health Hack, *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

BioBytes Hackathon, 1st, *University of Maryland* Feb. 2018
- Designed Arduino and Python programs with GIS to create device to help deaf parents track children.

BMES Design Challenge Finalists, *Biomedical Engineering Society* Aug. 2017
- Finalist in national design challenge competition for machine learning and EEG to diagnose Alzheimer's

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