

# CHRISTOPHER LOOK

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## EDUCATION

### University of Maryland, College Park

B.S. Computer Science, B.S. Bioengineering 2020

Cum Laude

Aug. 2016 - May 2020

## EMPLOYMENT

### Blueberry Pediatrics · Software Engineer · New York City

Jan. 2022 - Nov. 2023

- Built first version of CI/CD to build, deploy, and e2e cypress test new versions in staging and production.
- Redesigned insurance partner eligibility system to future proof for SSO and improve audibility.
- Created and a/b tested several signup flow experiments to increase conversion rates.
- Implemented business critical routing algorithm to route patients to doctors, maximizing SLA attainment.
- Designed v1 scheduling system for doctors requiring over 5 thousand doctor hours scheduled per month.
- Built integration with Iterable and Hightouch so engineers do not block customer communication workflows.

### Senior Software Engineer · New York City

Nov. 2023 - Current

- Created AI-powered automated image extractor to speed up doctor workflows.
- Built LLM integration to notify doctors of urgent cases.
- Strategized with leadership team to define licensing and scheduling strategy to improve margin.
- 4x Revenue in 2 years.

### Amazon Web Services · Software Development Engineer · Seattle, WA

May 2019 - Aug. 2019, Sept. 2020 - Jan. 2022

- AWS Security Token Service (STS) vends tokens as the authentication entry point to all AWS resources.
- Service handled over 1 billion requests a day.
- Created tensorflow machine learning model to predict which customers would get throttled.
- Collaborated with Cognito team to implement new authorization pathway.

### Flatiron Health · Software Engineer Intern · New York, NY

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 in MVC model.
- Hosted on ansible deployed EC2 instance with Jenkins for continuous integration.

## ACTIVITIES

### Synapto, LLC · Co-founder, Chief Technology Officer

Sept. 2017 - May 2020

- Led team of four engineers 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.
- Designed modular machine learning python pipeline for rapid feature iteration.
- Developed full stack electron application as MVP for doctors.

### Senvision · Co-Founder

Aug. 2016 - Jan. 2018

- Developed twitter scraper and trained sentiment analysis model for financial predictions.
- Ran daily scraping jobs on DigitalOcean and weekly sci-kit learn model updates using Cron.
- Traded real money on Robinhood, earning 2x the market over 5 months using robinhood API.

## PROJECTS

### Google Meet Autocall · github.com/lookcw/Google-Meet-Autocall

Dec. 2023 - May 2024

- A Chrome extension to call the user right before their scheduled Google Meet meeting.
- Allows users to stay in flow before meetings.
- Solves a personal frustration I have had with a shortcoming of Gsuite.

### EEGML · github.com/lookcw/EEGML

Jan. 2021 - Current

- A Python library framework to process EEG data and iterate rapidly on different possible feature sets for diagnoses.
- Incorporates learning from years of processing EEG data at Synapto.
- Allows for selective caching of data to aid in deeper investigation.
- Allows use of plug-and-play filtering, feature extraction, and post-processing methods with minimal client code.

## SKILLS

**ARCHITECTURE:** Machine Learning, Microservices, CI/CD, Distributed Systems, Alerts & Monitoring, GCP

**TOOLS:** Java, Python, React, React, PostgreSQL, Electron, Javascript, Shell Scripting, Spring, Django, Discrete Optimization, Hotwire Turbo, Redis