

# Christopher Look

✉ LookWChristopher@gmail.com 🌐 www.chriswlook.me ☎ 301-814-4298 📍 14604 Bubbling Spring Road Boyds, MD  
in christopher-look 🐙 github.com/lookcw

## + Education

University of Maryland,  
College Park  
Computer Science 2020  
Bioengineering 2020  
GPA: 3.90

## + Skills

### Computer

Python  
Java  
Linux/Bash  
Machine Learning  
Natural Language  
Processing  
Shell Scripting  
C  
Matlab  
Android App Development  
HTML  
VMD  
Inventor  
Arduino  
Excel

## + Work Experience

University of Maryland, College Park · Assistant Researcher College Park, MD  
Sep 2016 - Present

- Use Python to elucidate mechanism behind shape change in allostery.
- Analyze networks to find critical amino acids to aid in drug discovery.
- Developed method to identify critical amino acids in allostery.

NCATS/NIH (National Institutes of Health) · Intern Rockville, MD  
Jun 2015 - Aug 2015, May 2016 - Aug 2016

- Analyzed accuracies of virtual screening versus machine learning for drug discovery
- Developed novel natural language processing method for predicting protein-protein interactions.
- Presented findings at NIH poster day and NCATS staff.

## + Activities & Projects

Synapto, LLC · Co-founder, CTO Sep 2016 - Present

- Co-lead a team of five developing an EEG device to use AI to diagnose Alzheimer's.
- Marketed product to raise \$3,400 in UMD crowdfunding campaign.
- Used sci-kit learn to make 70% accurate Alzheimer's vs Healthy classification.
- Featured in Science Magazine, Washingtonian, ABC, CBS.

Senvision · Co-Founder Aug 2016 - Present

- Member of on-campus start-up incubator, Startup Shell.
- Developing an application to help millennials invest using sentiment analysis.
- Trade real money with returns of 4.4% in 2 months, compared to 2.2% benchmark.
- Earned \$4,000 in funding from Terp Startup, a startup accelerator.

## + 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.
- Presenting in Phoenix, Arizona at Biomedical Engineering Society Conference.

Presidential Scholarship · University of Maryland Jan 2016

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

BMES Design Competition Finalists · BMES Aug 2017

- Awarded subsidized trip to Phoenix, Arizona at BMES conference about EEG Alzheimer's diagnosis for \$4,000 prize.

Forbes Under 30 Scholar · Forbes Sep 2017

- Awarded an all expense paid trip to the Forbes under 30 Conference in Boston.

Maryland Summers Scholar Scholarship · University of Maryland Jun 2017

- \$3000 scholarship for performing cutting-edge research during the summer.

NMSQT Semifinalist · National Merit Scholarship Corporation Mar 2016

- \$4000 merit scholarship for achieving a high score on the PSAT

MedHacks Access to Care Winner · MedHacks Sep 2017

- Used Convolutional Neural Network to make phone application to track progression of Parkinson's Disease.
- Awarded a deal with Blue Cross Blue Shield to bring app to development.