

CHRISTOPHER LOOK

Employment

University of Maryland Assistant Researcher

College Park, MD
Sep 2016 to Current

- Using python to elucidate mechanism behind information transfer between allosteric distant site change
- Utilizing network theory to find critical amino acids to aid in drug discovery

NCATS/NIH (National Institutes of Health) Intern

Rockville, MD
Jun 2015 to Aug 2015, May 2016 to Aug 2016

- Analyzed accuracies of virtual screening programs versus machine learning programs to find machine learning programs as more effective
- Developed novel natural language processing method to predict protein-protein interactions on par with current methods

National Central University Intern

Zhong Li, Taiwan
Jun 2014 to Aug 2014

- Identified biomarkers of drug and non-drug treated human colon cancer cells using AKT antibody microarrays,

Activities

Synapto · Co-founder, Lead Software Developer

Sep 2016 to Current

- A team of six engineers developing an EEG device to use brain waves to diagnose Alzheimer's disease.
- Raised \$3,400 in UMD crowd funding campaign.
- Developed 70% accurate program in Alzheimer's vs Healthy classification
- 2017 BMES design challenge finalists, attending BMES conference in October in Phoenix, AR.

Senvision · Co-Founder

Sep 2016 to Current

- Developing application to help young people invest in stocks with predictive software
- Member of on campus start-up incubator, Startup Shell
- Earned \$4,000 in funding from Terp Startup, a startup accelerator

Poolesville Debate Team · Mentor

Sep 2013 to Mar 2016

- Achieved county playoffs three consecutive year, improving results each year

Awards

University of Maryland · Presidential Scholarship

Jan 2016

- \$32,000 Merit Scholarship to University of Maryland

University of Maryland · Maryland Summers Scholar

Jun 2017

- \$3000 scholarship for research done over summer

National Merit Scholarship Corporation · NMSQT Semifinalist

Mar 2016

- \$4000 merit scholarship for qualifying score on PSAT

Mtech · Aspire Award

Feb 2017

- \$1000 scholarship for performing research during spring semester

CSAW · CSAW regional competition 1st Place

Jan 2015

- Achieved first place at hackathon where a team and I solved a "mystery murder"

Contact

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🔗 lookcw

Education

University of Maryland

Computer Science 2020

Bioengineering 2020

Current GPA:3.9

Skills

COMPUTER

Python

Java

Linux/Bash

Machine Learning

Natural Language Processing

Shell Scripting

KNIME

Matlab

HTML

VMD

Inventor

Arduino

LAB SKILLS

Microarrays

Protein Purification

Gel Electrophoresis