CHRISTOPHER LOOK

Employment

University of Maryland
Assistant Researcher
College Park, MD
Sep 2016 to Current
- Using Python to elucidate mechanism behind shape change in allostery
- Analyzing networks 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 for drug discovery
- Developed novel natural language processing method for predicting protein-protein interactions.

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 five developing an EEG device to use AI to diagnose Alzheimer's.
- Raised $3,400 in UMD crowd funding campaign.
- Used sci-kit learn to make 70% accurate Alzheimer's vs Healthy classification
- 2017 BMES design challenge finalists, attending BMES conference in October.

Senvision · Co-Founder
Sep 2016 to Current
- Developing application to help millennials invest using sentiment analysis
- 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

NIBIB/NIH · First Place, Design by Biomedical Undergraduate Teams Challenge
Aug 2017
- $20,000 award for EEG device to diagnose Alzheimer's disease
- Presenting in Phoenix, Arizona at BMES conference.

University of Maryland · Presidential Scholarship
Jan 2016
- $32,000 Merit Scholarship to University of Maryland

BMES · BMES Design Competition Finalists
Aug 2017
- Will be presenting in Phoenix, Arizona at BMES conference about EEG Alzheimer's diagnosis for $4,000 prize.

University of Maryland · Maryland Summers Scholar Scholarship
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

Contact

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- 14604 Bubbling Spring Road Boyds, MD
- in christopher-look
- github.com/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