BENJAMIN LIN

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Education

University of Maryland — College Park, MD

Bachelor's Degree in Computer Science | Business Minor — Expected: May 2022
- QUEST (Quality Enhancement Systems and Teams) Consulting Honors Program — GPA: 3.58

Work Experience

Google, *Devices and Services* | *step25-2020.uc.r.appspot.com* — Remote

STEP Engineering Intern — May 2020 - Aug 2020
- Full-Stack development of Web Application to implement autograding in Google Classroom using Java Servlet.
- Created intuitive UI in Javascript/HTML/CSS to map student response assignments for Google Cloud Vision API to recognize and cluster similar student response images.
- Integrated Google Classroom API, writing assignment grading to instructor classes from GCP Datastore.
- Completed Agile dev design doc writing, code reviews, scope prioritization, roadmapping, and prototyping.

The National Institutes of Health, *Utilities Engineering Branch* — Bethesda, MD

Machine Learning Intern — May 2019 - Jan 2020
- Produced real-time prediction models in Matlab Machine Learning toolboxes to optimize utility plant operation.
- Front-End Web Development: Used Angular TypeScript, HTML, and CSS to display CUP Data.

Projects

Hackathons

Cardiac Connection Mobile App

HackUMBC | devpost.com/software/cardiac-chemistry
- Developed Mobile App in Javascript and Cordova cross-platform compatible.
- Utilized Google Cloud Platform API to store profile information with HTTP requests and connecting FitBit App to trigger "like" upon elevated heart rate.

Sunburn Sundial Android App

Bitcamp | devpost.com/software/sunburn-sundial
- Created Java Android App to display UV index of user's Google Map Services GPS location.
- Integrated HTTP requests to openuv.io (forecasting API).

Consulting

Food Bank Resource Optimization

Capital Area Food Bank
- Created Python statistical models using linear regressions to identify greatest opportunity areas.
- Analyzed census data determining food insecurity in the DC Metro Area for CAFB partner action.

Planting Reusability Culture

UMD - Dining Services | ter.ps/questds
- Created system improvement proposal for distribution of reusable bags.
- Conducted data collection and market research.

Leadership Experience

Undergraduate Senator, *UMD University Senate* — May 2020 - Present
- Elected as undergrad CMNS senator to advise the University President on campus policy matters imposed by laws/mandates from the University of Maryland System Board of Regents or Chancellor.

VP Marketing and Technology, *OMSE Academic Excellence Society* — Aug 2020 - Present
- Update website with information on upcoming events, document events, and create formal slideshows.
- Organized student workshops on professional development, mental health, diversity, and leadership.

Skills

Computer: Java | Javascript | Python | Ruby | HTML/CSS | C | OCaml | Linux | Matlab | Typescript

Technical Tools: Git | Github | Jira | Angular/AngularJS | Adobe Photoshop, Premiere Pro | Figma