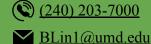
# **BENJAMIN LIN**





## **Education**

## University of Maryland

Bachelor's Degree in Computer Science | Business Minor

• QUEST (Quality Enhancement Systems and Teams) Consulting Honors Program

College Park, MD

Expected: May 2022

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**

## **Product Designs**

## **Spacial Smarts Web Application**

portfolium.com/entry/spacial-smarts-quest-presentation

- Developed app wireframe to teach and teach spatial reasoning to children in the instructor setting.
- Performed market research, stakeholder interviews, rapid prototyping, and technical scoping for business proposal.

#### **COVID-19 Store Capacity Tracker**

Demo: ter.ps/targetHack | Target DLS Hackathon Overall Winner

- Created Figma mockup of Mobile App to track limited capacity of nearby Target stores for customers.
- Designed improved contactless pickup system.

## 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

 $\mathit{UMD}$  -  $\mathit{Dining Services} \mid \underline{\mathsf{ter.ps/questds}}$ 

- Created recommendations for improved system of reusable bag distribution and campus cultural shift.
- Conducted market research and survey data collection for business proposal.

# **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 and design fliers marketing upcoming events, document events, and create formal slideshows.
- Organized and led 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