Haomeng Wang

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Goal & Qualifications

A UC Berkeley junior with a double major in Computer Science and Economics looking for a summer intern position

- Two interns at Microsoft and China Merchants Bank
- Strong ability of problem solving as well as quick integration with team members and working environments
- Excellent learning capability and coding skills with GPA 3.953 at Berkeley

EXPERIENCE

Microsoft Asia-Pacific R&D Group – *Intern at SOX Engineer Fundamental Team*   Jun/2021 – Aug/2021

- Independently developed an in-house data gathering tool including a front-end website and a back-end script in eight weeks; the tool was deployed to Azure DevOps, used by over 40 team members and would be further developed for wider use.
  - Visiting numerous websites to look for data of build results costed team engineers huge amount of time before this project
  - Developed the in-house tool to increase the efficiency of team engineers; designed and wrote a front-end website using Typescript React Library and Azure-DevOps-UI Library; processed and cleaned large amount of data in the back-end using REST API and JSON; connected the front-end with the back-end
  - Self learnt front-end languages such as HTML and Typescript; familiarized myself with Microsoft working environment
- Conducted a companywide customer survey and improved several features of the original tool design.
  - Interviewed several key clients; gathered dozens of ideas on potential improvements; decided to add interactive features such as filters and new data fetching to the website
  - Presented one design review and received nearly 100 further improvement ideas, resulting a recommendation for further development in the future.
  - Presented project demo by showing all functionalities at the end of the project; the tool was used by over 40 team members

China Merchants Bank Nanjing Branch – *Intern at FinTech Department*   Jan/2021 – Feb/2021

- Designed several UI pages for a new app that allows enterprise customers to allocate employee reimbursement electronically
- Visited several potential customer companies and stimulated the deep interest of 2 companies; gathered various suggestions on the new app for future improvement

UC-Berkeley CS 70 Discrete Mathematics and Probability Theory – *Academic Intern*   Jan/2021 – May/2021

- Deepened the students' understanding of course materials and improved their scores
  - Answered tough questions, solved hundreds of course-related problems for 700 students
  - Provided instructions, led multiple reviews, and enhanced problem solving skills for a 30-student section

UC-Berkeley Cal Dining – *Student Worker*   Oct/2021 – Nov/2021

- Provided food services to about 1000 students at Foothill Dining Hall every shift

PROJECTS

Spam Or Ham – *Independent Projects*

- A **Python** project, trained on 100 emails, that predicts whether emails are spam or not
- Used techniques including training validation split, random forest, gradient descent, and cross-validation

Database – *Independent Projects*

- A **Java** project that builds a database system interpreting SQL queries
- Used techniques including B+ trees, query optimization, concurrency lock granularity, and ARIES recovery

EDUCATION

University of California-Berkeley   Aug/2019 – May/2023

- Double major in Computer Science and Economics; GPA: 3.953/4.0.

RELEVANT SKILLS

- Python, SQL, Scheme; Java, JavaScript, TypeScript, HTML; C, C++
- Database, Data Analysis, Algorithm, Machine Learning