Bojin (Max) Yao

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Github.com/bojinyao | Website: bojinyao.github.io | Hiking Enthusiast

Education

University of California Berkeley   **Expected May 2021**

Degree: Bachelor of Arts in Computer Science | Overall GPA: 3.8 while part-time TA

Relevant Coursework: Operating Systems | Database Systems | Data Structures | Advanced Algorithms & Intractable Problems | Computer Architecture | Advanced Probability Theory | Computer Security | Principles of Data Science

Extra Curricular: UPE CS Honor Society | Computer Science Mentor | Math Tutor

Experience

Technical Intern - Infrastructure | Yahoo! | Sunnyvale   **June 2019 – August 2019**

- Pioneered future project that is going to revamp team's infrastructure, and be open-sourced to Apache Software Foundation by the end of 2019.
- Participated fully in Scrum development cycle, including bi-weekly project demos, sprint-planning, and daily standups.
- Created interactive slides about the project and presented in person to company executives.
- Quickly learned various new technologies and independently solved technical problems and challenges.

Intro to Computing TA | UC Berkeley EECS Dept. | Berkeley   **August 2019 – Present**

- Lead weekly discussions and teach core technical concepts, such as recursion, higher order functions, data structures, etc. to groups of ~30 students.
- Hold weekly office hours to guide students in designing and debugging homeworks and projects as well as answering course related questions.

Summer General Intern | OnePieceWork | San Francisco   **May 2017 – June 2017**

- Maintained and updated the company's website using popular Front End programming languages and tools, and was praised for highly readable and efficient code.
- Generated awareness in the investor community by planning live events to promote the company's brand.
- Interviewed existing clients to better understand their needs to assist management to improve the company's services.
- Researched and corresponded both existing and potential new clients to discuss the company's value propositions and services. And tracked data in Excel model to create internal reporting for supervisor.

Projects

Yahoo! Project "*ATS Kubernetes Ingress Controller*"   **June 2019 – August 2019**

[Go + Lua + RedisDB] Developed from the ground up a functioning Kubernetes (k8s) cluster ingress controller prototype that integrates Apache Traffic Server (ATS) as the proxy. The prototype has two main functionalities: 1) dynamically update endpoint pods info to be consumed by ATS for proxying 2) actively configure ATS through k8s ConfigMaps resource. Some notable features include crash recovery, all namespace referencing, concurrent watches and updates etc.

Personal Project "*Node-database*"   **August 2018**

[Node.js + MySQL] Designed and developed a command line based Node app to mimic an inventory backend using a local MySQL server as database. Features colorful text interface, env file configuration, and easy setup. Learned MySQL and how to set up its local server with MAMP; as well as learning useful Node libraries that handle I/O.

Personal Project "*Friend Finder*"   **August 2018**

[Full Stack] Designed and developed a small full stack app, inspired by social media, features personalized API, server-side storage, and api and html routing. Learned basic Express framework along with Heroku deployment process.

Skills

Programming Languages: Go | Java | Python | C | Javascript | SQL | HTML | CSS | Bash | Lua | RISC (Assembly)

Technologies: Kubernetes + Client-Go | Docker | Node.js | Apache Traffic Server | Full Stack | Agile | Unix/Linux

Languages: Fluent in English and Mandarin