Bryant Le

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EDUCATION

University of Houston — May 2024
BS in Computer Science, Minor in Mathematics — *Houston, TX*
GPA: 3.88
Relevant Coursework: Data Structures, Computer Architecture, Computer Networking, Linear Algebra, Statistics

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Typescript, Python, SQL, HTML/CSS, Rust
Other: AWS, Google Cloud, React, Git, Docker, Linux, AWS Certified Cloud Practitioner

EXPERIENCE

Software Engineer Intern — Jun. 2022 – Aug. 2022
Buzly — *Remote*
- Engineered the backend for a dashboard providing statistics and analytics from over 2000 users for universities
- Collaborated alongside 3 developers with Agile methodology, relaying daily updates and working on weekly sprints
- Bridged the Express HTTP server to MongoDB, building flexible schemas and enabling CRUD operations

Software Engineer — Feb. 2022 – Present
Seatgull (Startup) — *Remote*
- Created a course scheduler connected to 60 universities with over 850,000 students through React and Typescript
- Developed a dynamic forms page to streamline features like user feedback and customer support
- Refactored legacy functions into smaller, readable, and extensible functions and reusable components

PROJECTS

Robotic Arm
- Constructed a 3D-printed robotic arm with Onshape CAD, Creality Ender 3 printer, and Arduino hardware
- Connected the Arduino board to a web application with Johnny-Five and a custom REST API to control the arm
- Integrated a python script, with image segmentation through OpenCV, to detect oranges for the hand to grasp

Sigma Tutoring
- Developed a full stack application with React for a local tutoring business, accumulating $330 in revenue
- Connected a GitHub repo to a S3 bucket through AWS CodePipeline, streamlining new code to production
- Set up AWS Cloudwatch billing alarms with AWS SNS, notifying charges exceeding the monthly budget

CoCo Bot
- Developed a discord bot with interactive commands, for over 400 users, including dueling games and playing music
- Queried recent Instagram posts to upload onto discord, increasing the follower count by 200%
- Leveraged Google Cloud Sheets API to automate member points, eliminating manual accounting tasks

CougarConnect
- Developed the backend in Rust for an application aimed to be a center for students to connect with organizations
- Migrated to a serverless architecture with AWS Lambda, saving costs from running EC2 instances
- Redesigned the API for organizations, events, and students to maintain consistency in resource naming

LEADERSHIP

Code[Coogs] — Founding Chief Technology Officer — Sep. 2021 – Present
- Cooperated with chief officers to make decisions leading to a growth of over 100 new members
- Engaged 30 developers into social activities near Houston and coding competitions on Codeforces and Kattis
- Collaborated with 6 other facilitators for technical interview prep workshops hosting over 40 students
- Engineered the IT infrastructure and website with Google Workspace, Google Domains, and Google Cloud
- Written detailed and extensive documentation on coding conventions and best practices for future developers

CougarCS — Webmaster — Sep. 2021 – Present
- Tutored a cohort of students, for over 77 hours, through data structures, improving the tutor rating by 300%
- Delegated 5 developers to dockerize and deploy 4 web applications with AWS Fargate and AWS ECS
- Facilitated one of Houston's largest hackathons, CodeRED Odyssey, revamping the website and discord bot