Bryant Le

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EDUCATION

University of Houston — May 2024
BS in Computer Science, Minor in Mathematics — *Houston, TX*
  GPA: 3.85

EXPERIENCE

Amazon — Summer 2023
Software Developer Engineer Intern — *Austin, TX*
- Incoming SDE Intern at Amazon for Summer 2023

University of Houston — Sep. 2022 – Present
Undergraduate Academic Teaching Assistant — *Houston, TX*
- Teaching assistant at the University of Houston for a C++ programming course

Buzly — Jun. 2022 – Aug. 2022
Software Engineer Intern — *Sacramento, CA*
- Engineered the back-end for a dashboard providing statistics and analytics from over 3,000+ users for universities
- Collaborated alongside 3 developers with Agile methodology, relaying daily updates and working on weekly sprints
- Implemented **AWS Cognito** to manage user registration and authentication, increasing developer productivity

Seatgull — Feb. 2022 – Present
Software Engineer — *Magnolia, TX*
- Created a course scheduler connected to 60 universities with over 850,000 students using **React** and **Typescript**
- Developed a dynamic forms page to streamline features like user feedback and customer support
- Initiated a mobile application built with **React Native**, increasing activity and accessibility on mobile platforms

PROJECTS

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

GoGo
- Developed a back-end API in **Go** to interface with a PostgreSQL database and preserve complex data relationships
- Reduced time spent on client-side rendering by offloading processing, sorting, and querying data to the API
- Migrated from **REST** to **GraphQL**, minimizing the number of requests from multiple client-side applications

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

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 in 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

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
- Led 2 developer teams through building web applications to streamline member registration and event reservation

RELEVANT INFORMATION

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