Bryant Le

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EDUCATION

University of Houston — May 2024
BS in Computer Science, Minor in Mathematics — *Houston, TX*
  GPA: 3.84

EXPERIENCE

University of Houston Cullen College of Engineering — Jun. 2023 – Present
Undergraduate ML Researcher — *Houston, TX*
- Developed an API in **Python** to parse medical software images, streamlining interactivity for physicians

Amazon Web Services — May 2023 – Present
Software Developer Engineer Intern — *Austin, TX*
- Designed a notifications interface in **Kotlin** for **AWS Supply Chain** demand planning, relaying swift feedback

University of Houston College of Natural Sciences — Sep. 2022 – May 2023
Undergraduate Academic Teaching Assistant — *Houston, TX*
- Supported 120+ students in structured procedural programming and elementary data structures in **C++**
- Led weekly labs, code-reviewed and provided feedback for **C++** programming assignments

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 – Dec. 2022
Software Engineer — *College Station, 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 800 users, including dueling games
- 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 monolithic back-end to serverless **AWS Lambda** functions, reducing infrastructure costs by 100%

Robotic Arm
- Constructed a 3D-printed robotic arm with Onshape CAD, Creality Ender 3 printer, and Arduino hardware
- 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
- Collaborated with 6 other facilitators for technical interview prep workshops hosting over 40 students

CougarCS — Webmaster — Sep. 2021 – Present
- Conducted thorough code reviews for 20+ developers, promoting overall code quality and maintainability
- Led 3 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