Bryant Le

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EDUCATION

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

EXPERIENCE

Houston Learning Algorithms Lab — Jun. 2023 – Present
Undergraduate Research Assistant — *Houston, TX*
- Designed an API in **Python** to parse medical software images, streamlining interactivity for physicians
- Engineered a mobile app in **React Native** for a therapy chat-bot with large language models
- Developed a **Python** script with a transfer learning model for chest X-ray image classification with **PyTorch**

Amazon — May 2023 – Aug. 2023
Software Engineer Intern — *Austin, TX*
- Designed a notifications system in **Kotlin** for **AWS** Supply Chain, relaying necessary customer feedback
- Initiated proactive discussions for a design that reduces traffic, saving costs by 50% on customer transactions
- Integrated success and failure notifications for demand plan creation, derived forecast creation, forecast workflows

University of Houston — Sep. 2022 – Sep. 2023
Undergraduate Teaching Assistant — *Houston, TX*
- Supported 240+ students in structured procedural programming and elementary data structures in **C++**
- Led weekly labs, code-reviewed and provided feedback for multiple **C++** programming assignments
- Mentored students in best coding practices, promoting software engineering principles in **C++** projects

Buzly — Jun. 2022 – Aug. 2022
Software Engineer Intern — *Sacramento, CA*
- Engineered the back-end for a dashboard providing statistics and analytics from over 12,600+ users for universities
- Leveraged **AWS** Cognito for streamlined user registration and authentication, boosting developer productivity

Seatgull — Feb. 2022 – Dec. 2022
Software Engineer Intern — *College Station, TX*
- Created a course scheduler connected to 60 universities with over 850,000 students using **React** and **Typescript**
- Initiated a mobile application built with **React Native**, accessibility on mobile platforms for 60% of users

PROJECTS

CoCo Bot
- Developed a Discord bot in **Typescript** with interactive and engaging commands, for over 1000+ users

GoGo
- Built a back-end API to automate student organization tasks in **Go** to interface with a PostgreSQL database

Downtime
- Constructed a **React Native** mobile application that focus in-person hangouts for 100+ university students
- Designed a wrapper for **Firebase** and 20+ **Google Cloud** functions for scheduled events like hangout termination

LEADERSHIP

Code[Coogs] — Founding Chief Technology Officer — Sep. 2021 – Present
- Cooperated with chief officers to make decisions leading to a growth of over 300 new members
- Collaborated with 6 other facilitators for technical interview prep workshops hosting over 60 students

CougarCS — Webmaster — May 2022 – Present
- Conducted thorough code reviews for 20+ developers, promoting overall code quality and maintainability
- Led 4 developer teams through building open-source software to streamline registration for 1800+ members

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, Typescript, HTML/CSS, SQL, Java, Rust, Go, Kotlin
Tools: AWS, Google Cloud, Azure, React, Git, Docker, Linux, PyTorch, OpenCV
Certifications: AWS Certified Cloud Practitioner