

Bryant Le

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EDUCATION

University of Houston

Bachelor of Science in Computer Science, Minor in Mathematics

May 2024

Houston, TX

EXPERIENCE

University of Houston

Undergraduate Research Assistant

June 2023 – May 2024

Houston, TX

- Engineered a mobile app for a therapy chatbot powered by GPT, increasing mental health support accessibility
- Developed a script with a transfer learning model for **21,000+** chest X-ray images to classify abnormalities
- Co-authored a paper on a machine learning system to decode radiologists intentions, ranked **Top 16** for ISBI 2024

Amazon Web Services

Software Engineer Intern

May 2023 – Aug. 2023

Austin, TX

- Designed a notifications system in Kotlin for AWS Supply Chain, relaying critical customer feedback
- Reduced costs by **50%** on customer transactions through discussions for a design that reduces traffic
- Integrated **330+** notifications for demand plan creation, derived forecast creation, forecast workflows
- Increased test coverage by **10%** across data processing and ingestion microservices using JUnit and Mockito

University of Houston

Undergraduate Teaching Assistant

Sep. 2022 – Sep. 2023

Houston, TX

- Assisted **240+** students in mastering structured procedural programming and fundamental data structures
- Led weekly labs, reviewed code, and provided feedback for **1,100+** C++ programming assignments
- Mentored **32** students in best coding practices, advocating software engineering principles in **2** projects

PROJECTS

Resumes.fyi — Next.js, TailwindCSS, TypeScript, Google Cloud, Redis

[Website](#)

- Led engineering for a web application to crowd-source resumes that passed screenings from **140+** tech companies
- Achieved growth of **700+** users and **100+** resume submissions within the first week through strategic marketing

Unison.so — Astro, TailwindCSS, TypeScript, Swift

[Website](#)

- Directed engineering for a desktop application, improving users' ability to build and maintain stronger connections
- Secured **\$5,000** in pre-seed investment from a local startup accelerator, providing validation for our venture

Buzly.io — TypeScript, AWS

[Website](#)

- Engineered the back-end for a dashboard delivering statistics and analytics from **12,600+** users to stakeholders

TensorIOT — Next.js, TailwindCSS, TypeScript, Go, AWS

[GitHub](#)

- Developed a manufacturing simulator for an AWS partner, enabling factory supply chain data visualization
- Consulted with product managers and solutions experts to provide a production-ready software within **4 months**
- Boosted unit test coverage by **37%** across data processing and client components, improving code reliability

Code[Coogs] — Go, PostgreSQL

[Website](#)

- Designed a REST API in Go to serve as the backbone of a coding club's operations for **300+** members
- Streamlined membership, payment, and event workflows by **75%** via API integration on club's website

CougarCS — React, TypeScript, PostgreSQL

[Website](#)

- Led **4** developer teams through building software to streamline registration for **1800+** members
- Facilitated one of Houston's largest hackathons, CodeRED Odyssey, revamping the website and discord bot

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, JavaScript, Typescript, Go, HTML, CSS, SQL, Swift, Rust, C#, C++

Frameworks & Libraries: Next.js, React, Vite, Flask, Node.js, PyTorch, TailwindCSS, OpenAI

Developer Tools: Git, Docker, AWS, Google Cloud Platform, Azure, Redis, MongoDB, Linux

Concepts: Software Engineering, Software Design Web Frameworks, Databases, Full stack, Frontend, Backend, Game Development, Cloud Computing, Microservices, Unit Testing, Data Structures, Algorithms, REST API, GraphQL, Mobile Development, Machine Learning, Computer Vision