

Bryant Le

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EDUCATION

University of Houston

BS in Computer Science, Minor in Mathematics

May 2024

Houston, TX

GPA: 3.88

Relevant Coursework: Data Structures, Computer Architecture, Computer Networking, Linear Algebra, Statistics

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Typescript, Python, R, SQL, HTML/CSS, Rust, Assembly

Other: AWS, Google Cloud Platform, React, Wireshark, Shell Script, MongoDB, Git, Docker, Linux, PowerShell, Vim

EXPERIENCE

Software Engineer Intern

Feb. 2022 – Present

Seatgull

- 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

Co-founding Engineer

May 2022 – Present

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

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

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

CropyIt

- Developed an snipping tool for images with text through Boto3, PyQt5, AWS S3, and AWS Rekognition
- Translated python into javascript, allowing the application to be accessible through Google Chrome Extensions

Binge CLI

- Scripted a shell command on Gentoo Linux, enabling one to binge on their favorite movies, shows, and anime
- Scraped a couple sites to access a variety of video content, eliminating pop-up advertisements and messages

CougarConnect Backend

- Developed the backend 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

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

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