

Johnson He

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Education

Cal Poly (California Polytechnic State University)

B.S. in Computer Science

*San Luis Obispo, California
Sep. 2019 - June 2023 (expected)*

- GPA: 3.73/4.0
- Dean's List Honor Roll Every Quarter

Relevant Coursework

- Software Engineering (Fall 21)
- Algorithms (Fall 21)
- Data Structures
- Discrete Structures
- Data Science (Fall 21)
- Systems Programming
- Object Oriented Programming
- Computer Architecture

Work Experience

The Ohzone Inc

Sunnyvale, California

Data & Software Intern

Jun. 2021 - Sept. 2021

- Wrote python scripts that take web-scraped data to update an existing SQL database stored on AWS.
- Assisted in installing, deploying, and updating ELK Stack on AWS.
- Researched and presented findings on NFT marketplaces and how to create NFTs.
- Closely worked with a team in an Agile environment and participated daily stand-up meetings and design discussions.

Mastercard International

Saint Louis, Missouri

Software Development Student

Jul 2018- Aug 2018

- Attended summer software development workshops, which deepened understanding of the whole software development life cycle. Shadowed many roles including software developers, debuggers, scrum masters, technical leads, product delivery, etc.
- Participated a project for Dremio performance evaluation. Completed Dremio Certifications for Dremio Fundamentals, Dremio Data Reflections and Dremio for Data Consumers.

AFP Power

Saint Louis, Missouri

Web Development, Shipping/Storage

May 2015 - Aug. 2020

- Helped develop an ecommerce website for ease of access and shopping for online customers.
- Fulfilled and quickly shipped orders with accuracy. Organized storage in the most spatially efficient manner.

Coding Projects

SkyNet Hackathon - Code Competition [Javascript, Rest.api, Node.js, Nosql, Postgres, Postman]

- Built and led team to compete in SkyNet hackathon by developing Agora, an online learning platform.
- Designed and developed a MVC system using JavaScript to take in inputs from website and store them in the postman Nosql database. It also retrieved and filtered data from the database to display on the front end.

Miner Game [Java]

- Refactored a 1000+ code line game file with object-oriented design into multiple classes, interfaces, abstract classes.
- Implemented a more efficient A star pathing strategy into the game.
- Created a UML diagram to outline the various elements of the game for ease of access and updates.

Concordance [Python]

- Developed a program in which a given text file generates a text file of concordance.
- Utilized hash tables and collision resolution (open addressing).

Personal Website [JavaScript, HTML, CSS]

- Created a personal website (johnsonhe.github.io) to showcase education, personal projects, resume and contact info.

Technical Skills

Languages : Python, SQL, JavaScript, CSS, Java, HTML, RISC-V, C/C++

Frameworks: AWS, ELK Stack, Eclipse, IntelliJ, Dreamio, Github, LaTeX, Linux, PostgreSQL, Postman, Sequelize, UML

Other Skills: Photoshop, Illustrator, Docs, Sheets, Slides, Word, Excel, PowerPoint