Johnson He

Software Engineer · Student

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Education

Cal Poly (California Polytechnic State University) | *San Luis Obispo, California*

B.S. in Computer Science | *Sep. 2019 - Present*

- GPA: 3.73/4.0
- Dean's List Honors

Relevant Coursework

- Software Engineering (Fall 2021)
- Algorithms (Fall 2021)
- Data Structures
- Discrete Structures
- Database Systems (Fall 2021)
- 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.

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.
- Managed and organized storage in the most spatially efficient manner.

Mastercard | *Saint Louis, Missouri*

Software Development Student | *Jul. 2018 - Aug. 2018*

- Attended a summer software development workshop, deepened understanding of the whole software development life cycle and shadowed many roles including software developers, debuggers, scrum masters, technical leads, product delivery and more.

Projects

Personal Website | *Saint Louis, Missouri*

HTML, CSS, JavaScript | *Jan. 2021*

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

Miner Game | *San Luis Obispo, California*

Java | *October. 2020*

- Refactored a single file 1000+ code line game with object oriented design into multiple classes, interfaces and 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 | *San Luis Obispo, California*

Python | *February. 2019*

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

Technical Skills

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

Technologies/Frameworks: AWS, ELK Stack, Dreamio, Github, LaTeX, Linux, PostgreSql, Postman, Sequelize, UML

Certifications: D101: Dremio Fundamentals, D102: Dremio Data Reflections, D103: Dremio for Data Consumers

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