Zuleyka Urieta

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EDUCATION

Chapman University, Orange, CA   Aug 2022 - May 2025
Bachelor of Science in Software Engineering, minor in Neuroscience   (expected)

- Relevant Coursework: Data structures and Algorithms, Software Design, Software Requirements and Testing, Operating Systems, Introduction to Unix/Linux, Software Development Lifecycle

Programming Languages: C/C++, Java, Python, JavaScript, HTML/CSS

Technical Skills: Swagger, SonarQube, Springboot, IntelliJ, Arduino, Unix/Linux, Visual Studio Code, Docker, GitHub, Figma

EXPERIENCE

Chapman University, Orange, CA   August 2022 - Present
Makerspace Lab Assistant
- Manage and oversee the Fowler School of Engineering's fabrication and manufacturing lab
- Assist students in learning lab equipment (3D printers, CNC mill, laser cutters, circuit design tools, etc.) to create personal and academic projects
- Plan and teach monthly fabrication project workshops with up to 50 participants
- Process cash, debit, and credit transactions

Chapman University, Orange, CA   June 2023 - July 2023
Fowler School of Engineering Summer Academy Instructor
- Instructed high school and middle school students how to design and fabricate a decorative light using LED technology
- Taught computer-aided design, 3D printing, soldering, laser engraving, and coding (Fusion 360, Prusa Slicer, Arduino, and Adobe Illustrator)

North Orange County ROP and CHOC, Orange, CA   January 2021 - May 2021
Medical Innovation Intern
- Created a CAD prototype of a medical device to organize the categorization of vital signs for hospitals
- Formatted and pitched product business models to medical industry professionals
- Was awarded the "Best Pitch" Scholarship

PROJECTS

- **Smart Store**   December 2023
  - Developed in Java using Intellij
  - Software management through the use of Swagger, SonarQube, and Springboot
  - An exploration of UX/UI, software engineering technical designs, and unit testing for an intelligent store software system to automate the grocery store experience using advanced technology
- **Genetic Palindromic Sequences**   October 2023
  - Developed in C++ to identify palindromes (complements) of double-stranded DNA or RNA molecules
  - Reads a file consisting of DNA sequences and identifies any present compliments
- **Music Player Simulator**   May 2023
  - Highlights object-oriented programming in Java (inheritance, polymorphism, encapsulation, and abstraction)
  - Allows multiple users to create an account to add songs, playlists, podcasts, and albums
- **Design Create and Innovate Lab Material Cost Calculator**   July 2023
  - Website built with JavaScript and HTML/CSS consisting of various calculators, each corresponding with a piece of fabrication equipment to determine the cost of a job depending on the material/size
  - Developed for the Fowler School of Engineering Design Create and Innovate Lab

LEADERSHIP AND ACADEMIC ACTIVITIES

- SPIRE (Sustaining and Promoting Internships and Research), **Fellow**   Nov 2023 - Present
- Society of Women Engineers, **Graphic Designer**   Aug 2023 - Present
- Chapman University Student Government Association, **Fowler School of Engineering Senator**   May 2023 - Present
- Girls Who Code, Computer Science Club, Latinx Club, **Member**   Aug 2022 - Present
- Hispanic Scholarship Fund, **Scholar**   Nov 2023 - Present