

Zuleyka Urieta

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EDUCATION

Chapman University	Orange, CA
Bachelor of Science in Software Engineering, minor in Neuroscience GPA: 3.7	Aug 2022 - May 2025
<ul style="list-style-type: none">Relevant Coursework: Data Structures and Algorithms, Software Development Lifecycle, Software Design, Software Requirements and Testing, Operating Systems, Database Management, Unix/Linux, Data Science, iOS Development, Website Development, Object Oriented Programming (Java), Agile Development, Human Factors, Human Computer Interaction, PythonLeadership Roles and Affiliations: Society of Women Engineers (Secretary), Fowler School of Engineering Leadership Council (Founder), Hispanic Scholarship Fund (Scholar Alumni), Breakthrough Tech AI (Fellow), Society of Hispanic Professional Engineers, Girls Who Code, Codepath, ColorStack, Rewriting The Code	
Cornell University	New York, NY
Break Through Tech AI/ML at Cornell Tech	August 2024
<ul style="list-style-type: none">Machine Learning Foundations e-Certificate	

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java, JavaScript, Swift, SQL, TypeScript
Developer Tools: Jira, GitHub, Git, Docker, IntelliJ, Figma, XCode, Arduino, HTML5/CSS3, Fusion 360, Maven, AWS, Jupyter Notebook
Frameworks: Swagger, Spring Boot, Keras, PyTorch, MySQL
Libraries: Pandas, Numpy, Matplotlib, Scikit-learn, Seaborn, TensorFlow, React, Jacoco

PROFESSIONAL EXPERIENCE

Chapman University	Orange, CA
<i>Makerspace Fabrication and Manufacturing Lab Student Lead</i>	August 2022 - Present
<ul style="list-style-type: none">Teach 250+ students how to use a wide range of lab equipment, including 3D printers, CNC mills, laser cutters, circuit design tools, and more, empowering them to tackle both personal and academic projects effectivelyMarket, plan, and teach one-on-one monthly fabrication project workshops with up to 50 participantsAdvise and empower 6 student workers through mentoring to become comfortable with taking the initiative to oversee the fabrication lab	
Break Through Tech AI at UCLA	Los Angeles, CA
<i>Artificial Intelligence and Machine Learning Fellow</i>	May 2024 - May 2025
<ul style="list-style-type: none">Gained proficiency in data preparation, modeling, and evaluation with Numpy, Pandas, and MatplotlibImplemented regression via ensemble modeling, computer vision, natural language processing tasks, and convolutional neural networks with final testing accuracies of 85%+ using TensorFlow and Scikit-Learn librariesChosen as 1 of 200 students from over 3,000 applicants to participate in a highly competitive 12-month program hosted at UCLA	
Bloomberg x ColorStack Open-Source Mentorship Program	Remote
<i>Technical Mentee</i>	February 2025 - March 2025
<ul style="list-style-type: none">Participated in a selective mentorship program pairing ColorStack members with Bloomberg engineers for weekly 1:1 coding sessionsContributed to ColorStack's open-source software by completing a full-stack issue concerning SQL queries to allow students to efficiently filter for open internship opportunities, ultimately improving the user experience of 10,000+ members	
Level Data	Kalamazoo, MI
<i>Artificial Intelligence Studio Intern</i>	August 2024 - December 2024
<ul style="list-style-type: none">Applied supervised learning to analyze proficiency levels across students by clustering 80,000+ anonymized records from K-12 datasetsImpacted 7,000,000+ students in collaboration with Level Data to provide 1800+ school districts with real-time access to student information to facilitate data-driven decision-making across schools located across 17 states	
CHOC: Children's Hospital of Orange County	Orange, CA
<i>Medical Intelligence and Innovation Institute Intern</i>	January 2021 - May 2021

PROJECTS

Striking Vipers Python, JavaScript, HTML/CSS, AWS, SQLite, Swagger [https://github.com/zulyu/Striking-Vipers]	May 2025
<ul style="list-style-type: none">Developed and deployed a web-based educational video game on AWS to teach Python to low-income middle school studentsBuilt a RESTful API with Swagger documentation, integrated a SQLite database, and implemented user authenticationWrote unit and integration tests with high code coverage to ensure software reliability, maintainability, and quality	
Sex & ADHD Prediction Python, Pandas, Numpy, Seaborn, Scikit-learn [https://github.com/WiDSTeam15/Kaggle]	March 2025
<ul style="list-style-type: none">Built Neural Network and Logistic Regression models to predict ADHD and sex from brain imaging and socio-demographic dataImplemented data preprocessing techniques, including handling missing values, categorical encoding, and class imbalance correctionOptimized Neural Network hyperparameters (layers, learning rate, batch size) to achieve 72% accuracy, outperforming traditional models	
bookBuzz Swift, Figma, Xcode [https://www.zuleykaurieta.com/bookbuzz]	December 2024
<ul style="list-style-type: none">Created an iOS social media mobile application for readers, where users can make reviews and discover readers with similar genre interestsIncorporated gesture (tap, swipe) features, SwiftUI, as well as an API library of popular books for users to interact with by searching	
Smart Store Java, Spring Boot, Swagger, SonarQube, Figma [https://github.com/zulyu/Smart-Store]	January 2024
<ul style="list-style-type: none">Created a grocery automation software system that made API calls to monitor and verify transactions, ensuring accurate order processingOptimized code quality using SonarQube to achieve 90% code coverage and implemented unit testing for reliabilityDesigned UML diagrams for system documentation and designed a mobile app in Figma for walk-out checkout	