Zaíd Ruíz

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EDUCATION

Cal Poly SLO, San Luis Obispo, CA   Sep 2022 – Sep 2025
*B.S. Computer Science - **3.8 GPA***
- **Related Coursework:** Data Structures and Algorithms, Object Oriented Programming, Systems Programming (CSC 357)

TECHNICAL   SKILLS

Languages: Python, C, C#, Java, Assembly Language   **Web Design**: HTML, CSS, JavaScript

Tools: PyCharm, IntelliJ, Visual Studio Code, Vim, Android Studio   **Database/Cloud**: Microsoft SQL Server

TECHNICAL   EXPERIENCE

ServiceNow, Santa Monica, CA (*Remote*)   Jun 2021 – Aug 2021
Apprenticeship: Java, ServiceNow Developer Tools & Framework
- Chosen out of 100 applicants to join 10 other students to partake in a new program sponsored by ServiceNow in collaboration with A Bridge For Kids, a non-profit aimed at providing educational opportunities to low-income students.
- Completed a 12-week program involving weekly meetings with current ServiceNow developers in order to learn how they use ServiceNow's developer tools to create digital workflows for companies such as 7-Eleven and Deloitte.
- Created a digital workflow that demonstrated my understanding of ServiceNow's developer tools in order win the first ever ServiceNow Scholars Hackathon.

Cal Poly Prototype Vehicles Laboratory, San Luis Obispo, CA   Oct 2022 – Present
Lead UI Dashboard Developer: Java, Android Studio, C
- Design a User Interface for the dashboard of Project Mila, an EV aimed at setting a world record of going 1000+ miles on a single charge.
- The dashboard UI will give the driver motor control to drive or reverse, as well as allow the driver to monitor car vitals to prioritize driver safety.
- More Info: https://www.provelab.org/mila

LEADERSHIP   EXPERIENCE

Associated Student Body | *Secretary*   Mar 2021 – Mar 2022
- Organizing important school events including formal dances (Prom & Homecoming), Spirit Weeks, and school competitions.
- Reach out to local businesses to bring products and services to school and community events.
- Record sensitive information and payments for club and sport activities made during weekly meetings.

FIRST Robotics | *Assembly Crew Co-Lead*   Aug 2019 – May 2020
- Led team of 20+ students to create a semi-autonomous robot capable of shooting balls at targets and hanging itself on bars.
- Collaborated with my team to create parts on CAD software and assemble the robot together using industrial machinery.
- Spearheaded the creation of a new workbench that's easier to move and carried more tools to repair our robot during competitions.

ADDITIONAL   INFORMATION

Discord in UNIX | C, Unix IO, TCP, Makefile, VS Code
- Implemented a text chat program in UNIX that allows communication between users through the terminal.
- One user acts a server, creating a listening socket on any given port that looks for incoming message requests.
- Another user acts as a client, sending a connection request and waiting for server-side approval before communicating.

MUSH | C, UNIX/LINUX, Pipelining, Multi-Processing, Signal Handling, VS Code
- Minimally Useful Shell (MUSH) mimics the interactive shell functionality found on most Linux-based terminals.
- Supports file redirection (</>), forking child-processes when encountering pipeline commands (|), and SIGINT handling.

Video Game Refactoring Project | Java, IntelliJ
- Refactored a large code base (functional to object oriented) while maintaining the game's functionality.
- Utilized OOP principles to increase usability and privacy (encapsulation, polymorphism, A* Algorithm).

Personal Website | HTML/CSS, JavaScript
- Created to practice my web design skills and lists my education, personal background, and future aspirations.
- Website URL (work in progress): https://King-Z-101.github.io

Honors & Awards: Class of 2022 Salutatorian, ServiceNow Hackathon Winner, California Boys' State Delegate