RAUL ZARATE
Software Developer
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TECHNICAL SKILLS

Languages: C | C++(Strong) | Python | Java(Strong) | HTML5/CSS3/JavaScript

Skills and Tools: Microsoft(Bash) | Linux | Apple | Atlassian | Vim(Strong) | ReactJs | Git GitHub | Pandas | Numpy | Scikit-learn | Tensorflow | OpenAi | IntelliJ | Pycharm | VsCode | Netlify

PROJECTS

StarCraft 2 Deep Learning AI 2019 - github.com/zaratr/DeepAIStarCraft
- Able to play against a medium leveled computer bot by learning.
- Uses python and tensorflow to create the program

Self Driving Vehicle 2019- github.com/zaratr/SelfDrivingCar
- Replicates tesla self driving vehicle testing algorithm and builds a learning bot that will maneuver traffic.
- Uses python 3 and tensorflow to build learning algorithm

Quiz your Front-End skills 2022 - https://github.com/projectshea/quizzer-project.git
- Asks random questions and shows results at the end.
- Uses JavaScript, HTML5, CSS3.

EDUCATION

Bachelor of Science Mathematics | Portland State University | (2020)
Advanced Software Development Bootcamp Certificate | CodeFellows Seattle, WA (2022)
Bachelor of Science Software Engineering | Arizona State University | (2024)

EXPERIENCE

Intel Corporation - Ronler Acres, OR   **September 2020 – Present**
Manufacturing Technician - Oregon Wafer Level Assembly
- Perform functions associated with all wafer production including operations, equipment, process on operating data to conduct on equipment valued over $10 million.
- Lead a group of 5+ technicians at a time to troubleshoot non-standard events in the production line, and reviewing health and stability among the team.
- Worked closely with Process Engineers for low level equipment engineering and certified for low level maintenance.

United States Marine Corps   **Locations Aug 2008 – Aug 2013**
Aircraft Support Supervisor (Sargeant) And Aircraft Electrical Mechanic
- Accounted for contingencies that included ground control, tower flight data, and local control within the tower; led 10 to 30 entry-level personnel on equipment maintenance
- Trained and scheduled specialized maintenance for 3 various military occupational specialties (MOS); created a weekly counseling and mentorship program improving work related productivity by 25%
- Planned maintenance for NC-10 Power Generators producing pressurized cooling refrigeration for the cockpit of aircrafts valued over $250M; organized manpower and prioritized dates for Aircraft Support
- Monitored the cycle of old air/oxygen and input new oxygen with 0 mishaps; scheduled Equipment on Maintenance Project Management Software Laptop updates during monthly Supervisory meetings

VOLUNTEERISM

Fire Disaster Volunteer Emergency Response Team Member | Team Rubicon
Activity Coordinator and Community Outreach | Mission Continues
Community Outreach and Rebuild Volunteer | RedWhitBlue