

Radin Ahmadizadeh

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EDUCATION

University of California, Irvine

September 2022 – July 2026

B.S. in Computer Engineering, Minor in Informatics

GPA: 3.81

SKILLS

- **Programming Languages:** Python, Java, React, Visual Basic, Dart, C++, JavaScript, SQL
- **Frameworks:** AWS, React, Flutter, Godot
- **Tools:** GitHub, FactoryTalk View, Studio 5000, Microsoft Excel, Fusion 360 CAD and CAM, AutoCAD CAD and Electrical

EXPERIENCE

Info Street – Software Development Engineer Intern

September 2024 – April 2025

- Utilized **AWS** Serverless Application Model (**SAM**) and **AWS API Gateway** to migrate server-based code to a serverless architecture using **Python**, enhancing scalability and reducing operational **costs by 17%**.
- Worked with a team of three developers using **GitHub** to optimize and refactor the existing codebase, increasing application **performance by 15%** and reducing **latency by 25%**.
- Developed and integrated **RESTful APIs** to support new front-end features, enhancing user experience and functionality.
- **Technologies:** AWS, SAM, API Gateway, Lambda Functions, Python, GitHub

M & O Perry Industries – Software Engineering Intern

May 2023 – August 2024

- Collaborated with a small engineering team to design, assemble, wire, and program custom industrial machines using **FactoryTalk View**, **Studio 5000**, and **AutoCAD** Electrical.
- Developed **Python** tools to automate engineering data entry, reducing input time from **half a day to minutes** through system integration and removing human error through automation.
- Engineered innovative solutions to upgrade outdated machines, **increasing production speed by 15%** and **reducing product waste by 33%**.
- Developed **SQL scripts** to manage file storage and retrieval on HMIs using **Visual Basic**.
- Programmed PLCs and HMI machines using **FactoryTalk View** and **Studio 5000**.
- **Technologies:** Python, SQL, FactoryTalk View, Studio 5000, AutoCAD, GitHub

M & O Perry Industries – Programming Contractor

January 2023 – May 2023

- Used ladder programming and **Studio 5000** to design code architecture and program PLCs, and **FactoryTalk View** to program and install matching HMIs on each machine.
- Streamlined product-filling algorithms to **increase output rates** and reduce jamming by **over 20%**.
- **Technologies:** Studio 5000, FactoryTalk View

First Robotics Competition – Mentor, Captain, Programming Lead

January 2019 – Present

- Mentored a team of 30 high school students to design and build robots to compete against 4000 global teams, achieving two regional first-place and several regional finalist awards.
- Directed a team of four programmers, using **Java** to develop autonomous and tele-op robot movement.
- Utilized **image processing** and field-oriented odometry to detect game elements and auto-navigate to goal zones, decreasing cycle times **by 40%**.
- **Technologies:** Java, Image Processing, GitHub

RESEARCH and PROJECTS

Environmental Research Project – Developer, Researcher

March 2024 – September 2024

- Developed filters to analyze hyperspectral data to identify subsurface pollutants using satellite pictures.
- Leveraged **Python**, **NumPy**, and **TensorFlow** to efficiently process and analyze large-scale datasets.
- Used **CNNs** to **enhance data quality** by **40%** and **reduce noise** by **15%**.
- **Technologies:** Python, Numpy, Tensorflow, Machine Learning, GitHub

Raad Var Inc. Programming Bootcamp – Founder, Head Instructor 2021

July 2019 – August

- Educated elementary and middle school students in programming using Python to raise money for charity.
- Planned the curriculum and coordinated 3 CS major student-teachers over a month-long boot camp.
- Taught 20+ students and **raised over \$3000** over two summers.
- **Technologies:** Python

Predict Base – Full Stack Developer

March 2025 – Present

- Market prediction app hosted on the **Base blockchain**, allowing users to create and bet on markets
- Over **1000 users** and **\$15,000** in volume.
- **Technologies:** React, TypeScript, GraphQL, AWS, Solidity

Personal Portfolio Website – Full Stack Developer

April 2025 – June 2025

- Interactive **React** site with smooth navigation and custom components to highlight projects and skills.
- **Technologies:** React, TypeScript, CSS

Personal Portfolio Website – Full Stack Developer

February 2025 – March 2025

- Arcade-style photo booth simulation that lets users customize their photo capture experience.
- **Technologies:** React, TypeScript, CSS

Hackathon & Game Jams – Lead Programmer, Team Founder

2017 – 2023

- Hackathons: 1st out of 25 (**2017**), 1st out of 20 (**2019**), 1st out of 35 (**2021**), 3rd out of 150 (**2022**)
- Game Jam (Ludum Dare); Over 1800 participating teams (**2019 – 2021**)
 - Top 14.2% (**2019**), 21% (**2020**), 8.1% (**2021**)
- Bear Jams at UC Berkeley; **2nd place out of 35** other UC Berkeley students (**2022**)
- SB Hacks X at UC Santa Barbara, **4th place among 400** other UCSB Student contestants (**2023**)
- **Technologies:** Python, Java, JavaScript, Google Firebase, Postman, Flutter, Godot, GitHub

OTHER

- **Certifications & Training:** CompTIA ITF+ Certification, AWS Lambda & AWS SAM Course
- **Languages:** English (native), Farsi (native), Spanish (intermediate)
- **Hobbies:** Skiing, Fencing, Piano