

Celestin Ryf

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EDUCATION

University of Washington

Expected June 2026

Bachelor's of Science in Computer Science, Minor in Mathematics

EXTRACURRICULAR

President, Founder | Tech Startup Club

September 2024 – Present

- Leads project direction, group collaboration of multiple 2 person teams, and professional development
- Hosts quarterly hackathons for UWT students, and a hackathon in seattle for highschoolers
- Heads Internal and External outreach creating opportunities with UW SET, UW Medicine, and Milgard School of Business
- Leads code reviews, manages Git and GitHub workflows, and oversees version control
- Manages scrum meetings to ensure a professional environment and collaboration
- Communicates with upperclassmen, professors, and professionals to ensure project and meeting professionalism

PROJECTS

URecruiter | *OpenAI, Python, Flask, LangChain, JavaScript, React, PostgreSQL*

February 2025 – Present

- Led 4-person AI hackathon team to 4th place, developing an auto-generating and automated job posting and candidate review platform
- Innovated Tinder-style recruiter interface with swipe-to-email functionality, allowing customizable automated responses
- Engineered React/ChatGPT solution to auto-generate and post job listings to platform of choice
- Built AI resume parser to populate PostgreSQL database and candidate cards as applications are received
- Architected React frontend integrating LangChain/GPT for seamless posting-to-decision workflow

UMarket | *TypeScript, React, PostgreSQL, Docker, Node.JS*

January 2025 – Present

- Led 8-person Agile development team for UW campus social media and marketplace
- Architected and implemented complete REST API integration system handling 200+ requests/sec
- Developed responsive UI framework with 5 breakpoints verified across 12+ device profiles
- Created library of 24 reusable components and established team TypeScript standards, reducing development time 45%
- Designed campus-specific content filters improving user engagement metrics by 28%

UWealth | *JavaScript, React, PostgreSQL, Node.JS*

October 2024 – Present

- Developed a full-stack stock tracking web application using Node.JS serving a REST API with React
- Implemented InternalAPI with OAuth to handle 1,000 API requests a day securely and efficiently
- Collaborated with front-end teams to implement AlphaVantage API requests and routes
- Visualized AlphaVantage data and datasets on time scale graphs and filtered tables

Manchester United Transfer Statistical Analysis | *R, Python, MySQL*

June 2024 – January 2025

- Developed a REST API using FastAPI and PostgreSQL to store data from Europe's top 5 leagues, and to make specific datasets to minimize runtime of checking 213,000 players
- Visualized relevant data using R, selling graphs to online influencers with 1,000,000+ followers
- Analyzed current squad to make predictions on what players will be bought next based on statistics from the last 10 years, and from players bought by the new INEOS regime at their sister cubs
- Collaborated with Data Analysts from Manchester United for a realistic approach to performance-based analysis
- Communicated with Dominic Jordan, Director of Data at Man Utd, for information on interpreting large datasets

TECHNICAL SKILLS

Languages: Java, Python, R, MySQL, PostgreSQL, JavaScript, TypeScript, HTML, CSS

Tools and Frameworks: Swift, Docker, AWS, Django, Flask, React, Node.js, Express.js MySQL, PostgreSQL, RESTful API, Unit Testing, Git, Github, VS Code, Tableau, PyCharm, IntelliJ, Matplotlib

Soft: Initiative, Leadership, Collaboration, Teamwork, Communication, Adaptability, Problem-Solving