Ramon Costa-Patel

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EDUCATION

University of Washington	Seattle, WA
Bachelor of Science in Computer Engineering	*Sept. 2023 – Jun. 2026*
Bellevue College	Bellevue, WA
No degree	*Sept. 2022 – Jun. 2023*

EXPERIENCE

Systems Team Consultant — Jan. 2024 – Present
UW Academic Technologies — *Seattle, WA*

- Administered and supported 1,000+ macOS and 500+ PC-based systems across campus, ensuring system uptime and performance
- Designed and led deployment of new Linux lab environment with Active Directory authentication—a first-time implementation at UW
- Assisted in campus-wide hardware rollouts and equipment relocations, ensuring professional setup and cable management
- Worked cross-functionally with team leads and FTE staff on IT initiatives using Agile and Scrum methodologies
- Conducted routine hardware diagnostics and maintained asset records for software and equipment inventory
- Proactively researched technical issues and provided effective, user-focused solutions to staff and faculty

Fundamentals of Computer Science II TA — Mar. 2023 – Jun. 2023
Bellevue College — *Bellevue, WA*

- Facilitated virtual office hours to support students on recursion, data structures, algorithm efficiency, OOP.
- Guided in implementing efficient solutions using stacks, queues, trees, linked lists, and hashing techniques
- Provided feedback on assignments and projects, emphasizing code correctness, clarity, and performance.

PROJECTS

DUET | *Dart, Flutter, Firebase, SpotifyAPI* — Jan. 2025 – Mar. 2025

- Developed a web app that connects users through shared Spotify listening habits, creating real-world friendships based on musical compatibility.
- Engineered real-time chat functionality using FireStore to enable seamless in-app communication.
- Built using Dart and Flutter, integrating Firebase for authentication and data management.
- Constructed a scalable backend system leveraging Firestore and Firebase Auth for efficient user and data handling.

Wedding RSVP | *TypeScript, HTML, JavaScript, Node.js, React* — Jun. 2024

- Developed a full-stack RSVP management application using TypeScript and server-side logic to streamline wedding guest tracking.
- Built dynamic forms for collecting dietary preferences, guest names, and plus-one information with real-time client-side validation.

TECHNICAL SKILLS

Languages: Python, Java, C# C++, HTML, JavaScript, TypeScript, SQL, Dart
Frameworks: React, Node.js, Jamf, Next.js, JUnit, Flutter, PyTorch, Tensorflow
Developer Tools: Git, Microsoft Azure, Bash, SQLite, SystemVerilog, Firebase, VSCode, PowerShell, Vercel, GDB
Other Skills: Spanish, French, Catalan