

Jomei Root

Software Engineer

Seattle, WA · jomei.root@gmail.com · jomeiroot.com

Software engineer, graduating 2027. At F5, scoped, built, tested, and deployed to production an internal tool projected to save the security incident response team 1,600+ hours a year. Open to a project, internship, or intern-to-hire role on a small team that ships.

EXPERIENCE

Software Developer Intern, F5

Jan – Jun 2026 · Seattle

Sponsored by F5's Security Incident Response Team (SIRT)

- Built **ENExpress**, an internal tool F5's security incident response team uses to escalate vulnerability cases across products and departments. Replaced a copy-and-re-enter workflow with a few clicks.
- Cut escalation time from 3–5 minutes per escalated case to under 1 minute for any batch escalation (4–7+ escalations), including 40+ cases at once. Projected to save F5's 40-engineer global SIRT 1,600+ hours a year.
- Owned the stack end to end: the front end (JavaScript, HTML, CSS) inside F5's Salesforce environment, and the back end (Apex) that validates cases, pulls parent-case data, and creates the new records.
- Shipped to production under F5's engineering standards: exceeded the required unit-test coverage, released from sandbox to production, and passed a formal Threat Model Assessment (TMA) as part of a security-first design.
- Turned an open-ended problem statement into a scoped deliverable with security engineers and sponsors; worked in two-week sprints on a five-person team; wrote the code and docs for hand-off so F5 engineers maintain it after delivery.

Data Science Intern, Lawrence Berkeley National Lab

Summer 2023

Earth and Environmental Sciences Area

- Analyzed long-term federal snowpack and river-flow records in R to quantify how mountain snow drives water supply across three western watersheds, including the East River, Colorado, for Berkeley Lab's DOE Watershed Function project.
- Presented findings to the research group with mentor Haruko Wainwright, MIT; the group's East River research was later published in *Water Resources Research* (2025).

EDUCATION

B.S. Computer Science, Seattle University

Expected 2027

- **AI Research**, 2022. Built and evaluated machine learning models under mentor Dr. Taylor Baum, MIT.
- **Google Code Next Fellow**, 2021 – 2022. Google computer science program for high school students, with Google mentors.
- **Google Data Analytics Professional Certificate**

SKILLS

Languages	C++, C#, Python, Apex, SQL, R, F#, JavaScript, HTML/CSS
Platforms	Salesforce (Lightning Web Components, Apex), Node.js, REST APIs, AWS, Google Cloud
Engineering	Unit testing (Jest, Apex), threat modeling (IriusRisk), Scrum, sandbox → production deployment
Data & ML	Pandas, NumPy, scikit-learn, PyTorch, Tableau
Spoken	English, Mandarin, Spanish