Henton Hailey-Marshall   C++|CSS|HTML|Java|JavaScript|Python|R|SQL|Ruby

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Software Engineer with a background in business management and large-scale project leadership, transitioning into full-stack development and emerging technologies. Experienced in building web apps, backend systems, and AR/VR applications using Python, Java, C++, and cloud platforms. Recognized for driving innovation and bridging technical solutions with business strategy

EDUCATION

University of Pittsburgh	Business & Info Systems	Completed 2016
University of Washington	Computer Engineering	Expected 2026

EXPERIENCE

Great Western Attractions
Software Engineer/Hardware Engineer   2021 - Present
- Developed and deployed customer facing web apps using React, Node.js, MongoDB and AWS
- Built backend systems with Python Flask and SQL to support real-time ride operations
- Designed and tested interactive ride experiences using Unreal Engine and C++ yielding new attractions
- Led GIT-based version control, testing, and security workflows across engineering teams

West Coast Tour Partners
Software Engineer   2025 - Present
- Built internal management platform with via Java FX and Swing streamlining booking operations
- Prototyped computer vision powered augmented reality games for immersive tourist experiences
- Designed full-stack system architecture, managing server deployments,, testing and security

Office Roux *(Founder)*
Software & AI/ML Consultant   2024 - Present
- Provide software development and AI/ML consulting to small businesses, from web application design to deployment planning
- Developed client solutions for data-driven decision-making and workflow automation

Anning-Johnson Construction
Estimator/Project Manager/Project Engineer   2009 - 2021
- Managed $200 million+ in construction projects, consistently delivering on-time and under budget
- Value Engineered architectural and structural details to yield winning, yet profitable projects
- Analyzed subcontractor bids, awarded contracts, tracked construction milestones
- Reviewed, revised client contracts, negotiated changes in boiler plate and contract values
- Won government/union market recovery/subsidy awards to gain competitive edge
- Utilized (Auto)CAD, BIM, Bluebeam, PlanGrid, OnCenter QB/OST software to compile project bids
- Engineered and negotiated to solutions to return delayed projects to schedule and 0 projects over budget

Got Green
Green Analyst   2008 - 2010
- Partnered with Van Jones and WA Congress to advocate for a green jobs bill that was passed
- Taught solar panel installation and home weatherization to students at local colleges

ADDITIONAL INFORMATION

- **Coursework:** Data Structures and Algorithms, Databases, Calc, Physics(calc), Econ, Stats and Java Series
- **Teaching:** TA for UW Introductory Physics Course
- **Achievements:** Dean's List (Pitt) top of IMC Prosperity Algorithmic Trading Competition
- **Clubs:** UW Algorithmic Trading, Corporate Banking & Software Engineering Career Club
- **Leadership:** National Finalist - Enactus (Students in Free Enterprise) - Chapter Vice President