

Jason Heblack

heblack@alumni.ucsd.edu | (916) 220-4690 | Sacramento, CA

Dedicated software engineer specializing in Rust, committed to building reliable, efficient, and secure systems. Experienced in leveraging Rust's unique features to create high-performance applications. Eager to contribute to innovative projects and collaborate with talented teams.

Institutionally Accredited Programming Courses:

AJAX • Assembly • BASIC • C • C++ • Java • JavaScript • HTML • Pascal • Perl • PHP

Professional Certifications

- Sun Certified Java Programmer (jCert Level One) | 2002
- UC Berkeley Extension - Professional Sequence in Java Programming | 2003

Work Experience

Independent Retraining | Portfolio (Engineering for Purchase)

- **Nov 2024 - Present:** Transitioning to Rust engineering on Windows 11. Building a portfolio of Rust products, including a purchasable app and API framework.
- **2011 - 2024:** Conducted cross-platform software R&D using advanced C++17 techniques (automatic/compile-time/generic programming & template metaprogramming) for a binary data framework (Linux/macOS/Windows).
- **Pre-2010:** Designed and implemented various tools and applications, including a Python-based DDNS service for home automation
<https://github.com/jasheb/ChangelP>

Android Engineering Training | Simbiosys Mobile Solutions | Fremont, CA | 2010

- Gained hands-on experience in Android software engineering, leveraging Google Maps functionality to create an interactive GUI using the Emulator.

Data Analysis | Jaxtr | Menlo Park, CA | 2009

- Created stored procedures for efficient data analysis in MySQL.

Independent Learning | Professional Development | 2001 - 2009

- Built an original multi-threaded caching & serializing web crawler GUI application (Java 1.3 to C++03) for efficient, on-the-fly bulk data loading and exploration.

Web Engineering | Paper Media | San Francisco, CA | 1999 - 2001

- Implemented cross-browser DHTML web pages using JavaScript, DOM, HTML, and CSS. Engineered a data-driven menu system, resulting in a 49% salary increase within six months and successful deliverable delivery.

Education

- **College of San Mateo, CA** | AS in Computer & Information Science | 2006
- **University of California, San Diego, CA** | BA in Visual Arts (Media) | 1999
- **Prevailing Wage C Internship (Dual Enrollment)** | Silicon Valley, CA | 1990s