

James T. Martin, Software Developer

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Location Renton, WA

Experience

Do Art Daily, Ruby on Rails developer 2020

- Discovered multiple severe security bugs by creating an automated test suite.
- Fixed those bugs: site-wide code injection, change anyone's password, personal information leak.
- Designed and implemented secure cross-site authentication API and HAL+JSON REST API.

Programming Language Design Community, Administrator & web developer 2018–2020

- Led redesign of the website; used Jekyll to automate the generation of the community projects list.
- Co-founded the Discord sub-community; moderated it and /r/ProgrammingLanguages.
- Bridged the Discord and Freenode sub-communities via Matrix.

Hazen Robotics Club, Java developer 2017–2019

- Mentored programming at the district summer robotics camp for 90 hours.
- Taught club members how to use Java and Git.
- Collaborated to build robot controller programs for FIRST competitions.

Skills

- Languages: Java 8+, Rust, GHC Haskell, Agda, HTML5/XHTML, TypeScript
- Tools: Git, GitHub, formal verification, continuous integration, bug tracking, unit testing
- Administration: Debian GNU/Linux, Nginx, TLS deployment (incl. DNS CAA, HSTS, Let's Encrypt)

Education

Hazen High School 2015–2019

- Member of marching, symphonic, and jazz bands; received Sousa award in 2019.
- Got high (4+) scores on 7 AP exams, including Computer Science (5) and Calculus AB (4).
- Learned shop skills (woodworking, welding) and received OSHA 10 certification.