William Wan

57 Montrose St. #1 · Somerville, MA 02143 · williamwan@william10000.com · 404-931-2079

Experienced full-stack software engineer with a history of using software to solve problems across industries. Comfortable working cross-functionally with product and engineering teams as well as external stakeholders. Currently building APIs to integrate services between multiple third party partners.

Technical Expertise: Perl, Oracle SQL, JavaScript, jQuery, Perforce, Matlab, Python, R

PROFESSIONAL EXPERIENCE

athenahealth *Watertown, MA*
Senior Member of Technical Staff *February 2018 to Present*
Member of Technical Staff *November 2015 to February 2018*

- Built integrations that ensured financial data integrity between athenahealth and external inventory management and general ledger systems
- Wrote and optimized SQL queries for financial and regulatory reporting
- Increased automated test coverage of owned code by 30%
- Developed internal tools to allow product teams to investigate client escalations
- Created Kibana dashboards to monitor API endpoints and stability of deployments
- Developed ETL workflow to enable hospital financial benchmarking
- Built workflows for hospital patient registration and charge entry, which enabled rapid expansion into the critical access hospital market
- Scrum master: led agile ceremonies, onboarded new team members

The University of Colorado Boulder *Boulder, CO*
National Science Foundation Postdoctoral Fellow *June 2012 to November 2015*

- Wrote Matlab and R scripts to automate data and statistical analyses of cell shape and protein organization

KIPP: STRIVE Academy (urban, public charter school) *Atlanta, GA*
Volunteer Consultant *2009 to 2012*

- Developed a PHP/MySQL web application used to track and analyze school-wide student outcomes

Georgia Institute of Technology *Atlanta, GA*
Graduate Research Assistant *August 2005 to December 2011*

- Implemented mathematical models in Matlab to predict how blood vessels adapt to disease
- Led effort to implement models on a LINUX cluster, decreasing simulation time from weeks to days

Teach For America, Atlanta Public Schools System *Atlanta, GA*
Elementary School Teacher, *all subjects* *2001 to 2005*

- Averaged 1.5 years of student academic growth in each school year in an urban, public school setting

EDUCATION

Georgia Institute of Technology *Atlanta, GA*
Doctor of Philosophy, Bioengineering *2011*

The University of Texas at Austin *Austin, TX*
Bachelor of Science, Mechanical Engineering with Honors *2001*

Work authorization: US Citizen