William Wan
https://william10000.com

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