

William Wan

williamwan@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