

William Wan
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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 workflows that simplify payment posting and month end financial reconciliation processes.

Daily tech stack: React, TypeScript, Perl, Oracle SQL, JavaScript, Perforce, Git, Bash

PROFESSIONAL EXPERIENCE

athenahealth

Watertown, MA

Lead Member of Technical Staff

November 2015 to present

- Built enhanced workflows for billing office users (React/TypeScript/SQL/Perl)
- Developed internal tools to ensure availability of testing servers for product demos and signoffs
- Refactored legacy code into micro frontends using React/TypeScript
- Led collaborative prototyping sessions with development team, including product owner and UX designer
- 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 legacy 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: measured agile metrics, 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

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