David Freidin
Software Engineer

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TECHNICAL SKILLS

Front-End Development - Angular 6, HTML, CSS, JQuery, AJAX, Bootstrap, Materialize
Languages – Python, Ruby, JavaScript, Typescript, C/C++, Verilog, Shell Scripting
Databases - SQL (MySQL, SQLite), NoSQL (MongoDB)
Development Tools – AWS, Visual Studio Code
Methodology – OOP, MVC, RESTful Architecture, TDD (RSpec), CRUD Operation
Version Control - Git, Github, Perforce
Frameworks - Django, Ruby on Rails, Express, Flask
Libraries - Bcrypt, FactoryBot, Capybara, Mongoose, Socket.io, Underscore

WEB DEVELOPMENT PROJECTS

Game Knight – **URL:** *gameknight.freidin.net* **GitHub:** *github.com/dfreidin/RailsGameNight*
+ A website to help groups of friends decide what board game to play on game night
+ Built using Ruby on Rails, MySQL, Materialize, and the Board Game Geek API.

Collaborative Text Editor – **URL:** *collabtext.freidin.net* **GitHub:** *github.com/dfreidin/MeanCollabText*
+ A real-time online collaborative text editor
+ Built using MEAN Stack (MongoDB, Express, Angular, Node.js), Socket.io, and Bootstrap

More details available on my portfolio – **URL:** david.freidin.net

PROFESSIONAL EXPERIENCE

Tutor - Club Z Tutoring
Santa Clara, CA・May 2017 to Present
+ Tutored and taught mathematics topics from geometry through calculus
+ Worked with children from middle school through college

Software Quality Operations - Adecco Engineering & Technology @ Google
Mountain View, CA・June 2015 to June 2016
+ Analyze log data from road tests of the Self Driving Car
+ Found the sources of problems encountered by the safety drivers
+ Worked with software engineers to identify best areas of improvement

Instructor - Mathnasium (Campbell-Los Gatos)
Campbell, CA・September 2013 to June 2015
+ Tutored and taught mathematics topics from counting through calculus
+ Worked with children from elementary school through college

Asic Engineer - Nvidia

Santa Clara, CA ᐧ June 2010 to July 2012

+ Helped develop & maintain formal verification testbenches for Kepler pads
    o Formal equivalency allowed for ~4x speedup in unit testbenches
+ DRAM interface pad-ring owner for Kepler chips
    o Worked with layout to ensure proper placement and connection of pads and to resolve issues before tapeout
+ Wrote/verified pad behavioral models for Tegra & Maxwell
    o Allowed for accurate unit testing month before extracted models became available
+ FB tree owner for gk107
    o Ran unit-level randoms regressions and handled changelist integrations for the gk107 FB unit tree

EDUCATION

Coding Dojo - San Jose, CA – 2018

Certificate of Completion – Full Stack Web Developer

+ An immersive web development bootcamp specializing in front-end fundamentals as well as three full stacks: Django, MEAN and Ruby on Rails. Dedicated over 1000+ hours of coding experience, including the ability to deploy a full website from client to server to database while acquiring the knowledge and skills for full stack web development

Purdue University - West Lafayette, IN – 2010

BS in Computer Engineering, Minor in Music History & Theory

HONORS

+ Tau Beta Pi Engineering Honors Society
+ National Society of Collegiate Scholars
+ Alpha Lambda Delta Phi Eta Sigma Honors Society

References available upon request