

## Summary

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Results-oriented software engineer with 4 years experience in analysis, design, development, testing, and implementation of software while working in a remote team. Skilled in identifying functional business requirements and developing customized workflows to improve efficiency. Demonstrated ability to plan, lead implementations and deliver technical solutions.

## Education & Credentials

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- **M.S. in Computer Science** (GPA 3.50/4.00) --- Georgia Institute of Technology *Atlanta, GA* (2016 -- 2017)
- **B.S. in Finance** (GPA 3.30/4.00) --- University of Central Florida *Orlando, FL* (2006 -- 2010)

## Skills

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**Languages:** Python, Javascript, Java, HTML/CSS, C, C++, PHP, Ruby, Datalog

**Systems:** Linux, Unix, Windows, Mac OS, Android, AWS, Google Cloud Compute, Virtualization

**Tools:** Vim, Git, Pandas, Numpy, React, AWS, Nginx, Bash, Wordpress

## Experience

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### **West Coast Mobile Eye Care | Developer - Remote** (April 2012 -- Present)

Mobile optometric health company providing eye care services to patients in nursing home facilities

- Wrote and maintain system of 10+ Google Apps Script projects used to automate business processes and support employee activities in a distributed, remote environment. Tasks include patient scheduling and management, data integrity, automatic aggregation and distribution of data. Collectively, have reduced human error, work hours and saved the company over \$150,000 in the first year.
- Built Google Apps Script project to automate the integration of Gmail and Box.com using Box API and JWT
- Planned, installed, configured and maintain company's cloud based infrastructure for remotely accessing company resources, patient information and data warehousing
- Designed and developed new company website with portal for administrators to access information and schedule visits

### **Pacific Home | Contract Developer - Remote** *Honolulu, HI* (January 2019 -- July 2019)

High-end furniture boutique

- Developed automated inventory pricing and availability software written in Python to link inventory management application, e-commerce storefront and supplier websites
- Wrote Python app to programmatically update Meta tags for more than 1,500 products in e-commerce platform
- Reduced human associated costs and errors and increased the frequency of updates, saving company \$30k / year

### **Essence Laser | Contract Developer - Remote** *Denver, CO* (July 2018 -- September 2018)

Medical Laser and Wellness Center

- Migrated company website and marketing infrastructure from HubSpot to cloud based Wordpress instance with offsite S3 backups and Cloudfront CDN
- Built system to manage patient scheduling and marketing for employee use, maximizing the use of available doctor time, improving follow-ups, increasing per-patient exams and reducing human error

### **HIPSKIP | Contract Developer - Remote** *Ontario, Canada* (March 2018 -- February 2019)

Project Managers

- Implemented justified media and video gallery using jQuery and Javascript relying on Vimeo and YouTube APIs
- Specialized in Wordpress & Wordpress multisite migrations, updates and improvements with unique requirements or difficult to solve issues

### **Lake County Bar | Contract Developer - Remote** *Tavares, FL* (August 2017 -- January 2018)

Lake Country Bar Association

- Assumed responsibility of malfunctioning Rails website hosted on Heroku responsible for organizing the 200+ lawyers in the County
- Fixed bugs & inefficiencies that resulted in unexpected behavior and request timeouts
- Gathered requirements from users and owners and re-designed app to incorporate calendar and event registration system

## Projects

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- Regular contributions to the Home Assistant open source project with 100k+ active worldwide users and 100+ developers
- Developed application using AI techniques to identify and infer meaning in Raven's Progressive Matrices
- Used Machine Learning frequency analysis and replacement to circumvent firewall and deliver malicious payloads in a test environment
- Wrote a machine learning based stock trading algorithm that implemented Q-Learning on three indicators