



Kevin Welch

Junior Software Engineer

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Location Sacramento, CA

Profile

I am a junior software engineer with a passion for learning and problem solving. My current position with Meditab has allowed me to explore the bridge between hardware and software and expose myself to many areas of the engineering and production process. I am also developing a web-based polling and surveying application as a personal project. Open to relocation.

Strengths

Teamwork

Adaptability

Self-motivation

Creativity

Technical Skills

Python	●	●	●	●	●
C++	●	●	●	●	●
Javascript	●	●	●	●	●
Electronics	●	●	●	●	●
SQL	●	●	●	●	●
HTML/CSS	●	●	●	●	●

Experience

Embedded Software Engineer,
Meditab Software Inc.

2015-Present

- Produce software and electronics prototypes using Python and Arduino for a pharmacy automation robot with the Dosepack robotics team
- Experiment and research IC's and sensors prior to implementation
- Design a line following car prototype used in a conveyor system
- Develop a search engine that uses an inverted index to search log files
- Implement a serial port scanner for a large USB hub network
- Assemble motherboards with SMD and through-hole components and investigate electrical failures

Programming Educator,
Self-Employed

2014-2016

- Provided tutoring and lesson services for Python, C++, and Arduino
- Software lessons included classic game replicas using Python's Pygame or basic web development using Flask, jQuery, and HTML/CSS
- Arduino lessons included interfacing LED's and motors for small projects
- C++ tutoring at local community colleges for Structured and Object-Oriented Programming courses

Interests



Electronics



Web Dev



Arduino



Cooking



Music
Production

Education

National University - Online

Completed 102 credits toward a B.S. in Computer Science

Online Courses in Computer Science - Udemy, Udacity, and Coursera

References

Feros Kahn, CTO @ Dosepack LLC

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Konstantin Rurouni, Mechanical Engineer @ Dosepack LLC

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David Luhman, iOS Designer @ MyFitnessPal

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