

Richard Hernandez

Software Engineer Profile

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Highly qualified, self-motivated, and enthusiastic **IT professional** offering several years of solid academic, internship, and project work experience in the software development field, poised to excel in a **Software Engineer** position. Demonstrated expertise with the modification of existing software to correct errors, to allow for adaptation to new hardware, and to improve performance. Exceptionally skilled in analyzing end-user needs and software requirements to determine the feasibility of design within established parameters for budget and time. Proven ability to confer with peers and colleagues to design software and obtain information on project limitations and capabilities, performance requirements, and interfaces. Talent for the storage, retrieval, and manipulation of data for analysis of software capabilities and requirements. Record of achievement in the design, development, and modification of software using scientific analysis and mathematical models to predict and measure the outcomes and consequences of design. Dedicated to developing and directing software testing and validation procedures, programming, and documentation.

Core Competencies

Java / FX / JSP	React.js	Scrum	OpenCV
C / C++	Node.js	TDD (Junit)	Full Stack Development
PHP	HTML/ CSS/ jQuery	BDD (Cucumber, Gherkin)	iOS Development
Python / Flask	Bootstrap	Databases (SQL, NoSQL)	Raspberry Pi (IoT)

Education & Credentials

Bachelor of Science in Computer Science (Expected 2021)
University of Southern California — Los Angeles, California

Associate of Science in Mathematics (2018)
Ventura College — Ventura, California

Top Secret Security Clearance

Experience Highlights

Northrop Grumman — San Bernardino, California

Electrical Engineering Intern (2019, 2020)

Utilize measuring instruments and hand tools to assemble and optimize electrical prototypes and systems associated with matters of national security as an active contributor to an Electrical Engineering team. Build, calibrate, maintain, troubleshoot, and repair testing equipment and electrical instruments. Perform proof-of-concept tests, reporting outcomes to senior leadership. Inspect electrical project work for quality assurance and control. Identify solutions to on-site technical design problems involving electrical systems equipment. Collaborate with electrical engineers to identify, define, and establish processes to solve developmental problems.

Key Accomplishments

- ◆ Redesigned schematic and successfully implemented design to enhance testing and reconfiguration.
- ◆ Created first version of software designed to test electrical and mechanical prototypes.

Ilinx Gaming — Los Angeles, California

Full Stack Developer Intern (2019)

Wrote supporting code for landing page and other web pages of startup's website, thus enhancing overall site appearance and functionality. Selected programming languages, design tools, and applications; designed, built, and maintained website using authoring

and scripting languages, management and content creation tools, and digital media. Tested site consistency across varying screen sizes. Wrote, designed, and edited web page content, as well as directed others producing content. Utilized Python Flask Framework to create a user sign-up and login system. Backed up site files to local and remote directories for instant disaster recovery.

Key Accomplishments

- ◆ Set up initial backend user authorization features.
- ◆ Redesigned existing web pages with Django templates.

Selected Projects

Task Manager API, Self-Led

- ◆ Developed a backend API to allow users to create accounts and manage tasks using Node.js and express.

Consulting Dynamic Web App, Self-Led

- ◆ Created a dynamic web app to provide life coaching and relationship advice for a startup business.

Chat App, Self-Led

- ◆ Created a dynamic web app to create chat rooms and chat with other users using Node.js and express.

Stock Portfolio Tracker, Course Project

- ◆ Created a dynamic web app to track the value of stocks over time as part of a four-person team.

Sal's Eats Dynamic Web App, Course Project

- ◆ Created a dynamic web app to allow users to search for favorite restaurants using Yelp's Fusion API.

Neighborhood Simulation, Course Project

- ◆ Created a simulation to model moving patterns of people living in a neighborhood using JavaFX.

Military Experience

Infantry / Weapons Team Leader (2012 to 2015) | 75th Ranger Regiment, US Army — Fort Lewis, Washington