






ERIK HOVERSTEN

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Summary

Detail oriented Back-End Software Developer and Electrical Engineer. Seeking to leverage my dynamic experience working in a fast-paced startup environment. Formerly collaborated on a team to develop rapid prototype hardware/software, Virtual Reality, and web application solutions. Currently looking to contribute to and grow with a team building innovative, state of the art products.



Technical Skills

Languages: JavaScript, Java, Python, HTML5, CSS3

Platforms: Node.js, Java EE, AWS Elastic Beanstalk, Kubernetes

Frameworks: ExpressJS, React, Java EE Servlets, JSP, Spring, Django, Flask

Databases: Relational & Non-Relational Databases, Sequelize.js, Mongoose.js

Methodologies: OOP, RESTful API development, GraphQL, MVC/MTV Architectures, Agile/SCRUM, HTTP Request/Response cycle, Test Driven Development (TDD)

Other skills: Git, GitHub, Webpack, Project Management, Project Lead Experience, Business German Language, 3-D Printing, Raspberry, Arduino and AVR Family of Microcontrollers



Professional Experience

Software Developer | Ecsazza

July 2021 – March 2022

Washington, DC

- Developed additional features and functionality to flagship product
- Developed unit testing functionality for new features
- Updating codebase to modern programming methodologies
- Testing and Debugging

Senior Tutor | 2U / Trilogy Education Services

March 2020 – Present

Teaching Assistant

June 2019 – June 2020

Arlington, VA

- Instructed Full Stack Web Development Bootcamp students in the MERN Tech-Stack (JavaScript, Mongo/SQL, Express, React and Node)
- Constructed review materials and coding demos for student review sessions to help students with the fundamentals of web programming with JavaScript and algorithms
- Provide one on one and group support for students during in-class activities, homework, projects, tutoring sessions, and understanding of concepts as related to Full Stack Web Development
- Prepare for and lead after class review sessions on a variety of topics as related to Full Stack Web Development
- Assist instructor with running the classroom and holding office hours

Product Engineer | Notion Theory

July 2016 – June 2017

Washington, DC

- Built web applications using Ruby on Rails, HTML5/CSS3, JavaScript and jQuery
- Designed, constructed and tested prototype virtual reality (VR/AR) products
- IoT hardware development and integration

Dream Consultant | Tech Shop DC

March 2015 – February 2016

Arlington, VA

- Hands on experience taking an idea from inspiration to fruition: Design tools, Embedded Electronics, Programming, Prototyping, Final design and polish.
- Marketing Photographer, Graphic Design and Photo Editing with Adobe Illustrator / Photoshop.

Project Manager and Test Engineer | Volvo Construction Equipment

April 2012 – June 2013

Test and Prototype Operations Branch – TnPO, Hameln Germany

- Took over departing senior test engineer's projects and took them to completion by deadline for product release.
- Designed machine testing schedule of machine and resource availability. Setup and Implemented testing on machines, carried out documentation and data reporting.

U.S. Government | Naval Civilian Employee (Grade ND-5)

May 2006 – July 2011

Electrical Engineer | Naval Surface Warfare Center

July 2009 – July 2011

Flight Systems Division - Radiation Sciences Branch, Crane IN

- Off-site task lead, trained engineers in site-specific testing procedures and methodologies and met customer specifications.
- Reduced test setup time by 30%, a savings of approximately \$300/hr.

Electrical Engineer | Naval Surface Warfare Center

May 2006 – July 2009

Fleet Maintenance and Engineering Division - Maintenance Logistics and Distance Support Branch

- Provided help desk and in-field IT technical support to operations both aboard ship and on base.
- Sustained a 95% efficiency rate of identifying and solving customer issues.
- Custodian in charge of equipping the Distance Support lab with software and hardware upgrades.



Education

Coding Dojo | Full Stack Web Development Coding Bootcamp

July 2018

Washington, DC

Immersive full stack development program. graduated with a black belt (highest earning of achievement) in the python stack, with over 1000 hours of coding experience, and a working proficiency in Python, MEAN tech stack and Java, as well as a wide range of other frameworks and libraries.

Michigan Technological University | B.S. in Electrical Engineering

Houghton, MI



Web and Technical Projects

Quiz Game – Front-End JavaScript quiz game

Web application that tracks a User's question answers given a time limit. User score is calculated at end of game or time running out. User has choice to enter name and score in scoreboard which is persisted after end of game. User can also clear stored high scores.

Tech: JavaScript, HTML, CSS, Persisting data with Local Storage

Deployed Project: https://ehoversten.github.io/quiz_game/

GitHub: https://github.com/ehoversten/quiz_game

MERN YouTube Favorites – Full Stack React/Node/Express/MongoDB application w/ JWT Auth

Full Stack Single Page Application utilizing authentication with JSON Web Tokens, React Hooks and ContextAPI that allows a User to sign up/in and search the YouTube Video API using a search term and the ability to save selected videos as favorites. Data saved to Mongo Atlas cloud database.

Tech. – JavaScript, React, Node, Express, MongoDB Atlas, React Hooks, React Context API, JWT Auth

Deployed Project: <https://quiet-temple-74649.herokuapp.com/>

GitHub: https://github.com/ehoversten/video_search_api

eCommerce Marketplace – React Frontend Single Page App w/ Firebase Cloud Storage and Auth

React frontend single page application with a cloud-based Firebase/Firestore database utilizing login/password and register/sign-in Google Firebase authorization. Application allows users to register and sign-in to the shop. Registered users have ability to add/remove/delete items to their cart and checkout.

Tech: JavaScript, React, Firebase, Firestore Database, Firebase Authorization, React Hooks, React ContextAPI

Deployed Project: <https://papaya-strudel-687669.netlify.app/>

GitHub: <https://github.com/ehoversten/Marketplace>