

# Robert Hess

## Software Developer

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## TECHNICAL SKILLS

**Proficient:** Javascript, React, Redux, Node, Git, Express, Sequelize, FireBase, Phaser 3, Typescript, CSS, HTML, Chart Js, Three js, Cannon js, Python, Beautiful Soup, Selenium, Agile Scrum, Jira, Tailwind, Regex, postgresSQL, Next js

## TECHNICAL PROJECTS

**Shadows of Eternia | Developer** | <https://fir-frontend-ece3c.web.app/game> |

*An online multiplayer dungeon crawler game.*

7/2023

- Designed and implemented enemy and projectile syncing across all players through Firebase
- Created character and enemy classes to allow movement, attacks and stat tracking
- Sculpted, Imported and populated maps made in Tiled
- Developed with Typescript, React, Phaser 3, Firebase

**hyperDrive | Developer** | <https://journeypath-17d6o.web.app/> |

9/2023

*An online tool to give people a starting point and potential guide to achieving their goals.*

- Designed and implemented components for repeated use across the site
- Utilized Firebase for login authentication and an NoSQL database
- Integrated OpenAI API to create an action plan which could be saved, edited and tracked through the user dashboard
- Developed with Javascript, HTML, CSS, React, Express, Node, OpenAI API, Firebase

**Mass Pro Shop | Developer** | <https://massprostatic.onrender.com/> |

6/2023

*An E-commerce site dedicated to selling various computers and their peripherals.*

- Designed and implemented the user profile page to allow for client side editing of personal data once logged in
- Designed and implemented administrator dashboard for editing all products and users
- Implemented security features to block access to other users data and ability to edit products
- Developed with Javascript, HTML, CSS, React, Redux, Sequelize, Postgres and Express

## EXPERIENCE

**Revenue Analyst | ComplySci** | New York, NY

12/2017

- 3/2021

- Created and maintained the client database which tracked changes in revenue, usership, billing frequency and term dates for over 1,100 clients and 20 million dollars in receivables
- Oversaw Accounts Receivable and Accounts Payable
- Guaranteed future revenue streams by converting single year contracts to multi-year

**Accounts Payable Specialist | Columbia University** | New York, NY

5/2016 - 11/2017

- Analyzed, coded and processed Columbia University Facilities invoices and check requests using the University's central systems (ARC, Maximo and Unifier)
- Liaised with vendors, managers and central procurement to resolve any processing issues
- Processed water, gas and electric meter invoices, maintained databases, and ran reports for consumption accuracy
- Prepared rent and real estate taxes for properties owned by Columbia

**Accounts Payable Clerk | Interexchange** | New York, NY

9/2013

- 5/2016

- Increased value of the accounting software and saved hundreds of dollars by taking advantage of unutilized features.
- Worked with executives to design and implement a reporting system around their needs which gave them increased visibility into what they were spending
- Performed all AP duties: Payments, journal entries, reconciliations and accruals

## EDUCATION

### **Fullstack Academy Web Development Bootcamp**

7/2023

Software Engineering Certificate

Full-time, Full Stack Javascript Web Development Immersive

### **San Jose State University**

*Bachelor of Science in Accounting and Information Systems*

12/2010