

# Christopher **Regan**

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# Software Engineer

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

**SKILLS**    JavaScript, React, Redux, AWS S3, Python, Flask *SQL-alchemy*, *Google Maps API*, *Sequelize*, *Post-gis*, *Postgresql*, *CSS*

## EDUCATION

### **AppAcademy - Full Stack Web Development**

Graduated 2021

- 1000+ hour immersive software development program focusing on full stack web development, pair programming, coding fundamentals and best practices. Relevant coursework included: Object Oriented Programming (OOP), Test Driven Development (TDD), data structures, algorithms, systems design & architecture, Agile/SCRUM methodologies.

### **Gettysburg University - BS Computer Science**

2014-2018

## TECHNICAL EXPERIENCE & PROJECTS

### **IT Support Specialist - G-Tech**

Oct 2016 - Dec 2018

- Communicated effectively with team members and clients in a manner that bridged the gap between people with and without technical experience.
- Worked as a member of a **10 specialists team** to detect and remove malware from personal / institutional systems.
- Demonstrated proficiency in hardware failure diagnosis and repair for most commonly damaged components (hard-drives, RAM, screens, network adaptors).
- Identified opportunities to successfully apply Cyber-Security **best practices** and education of clients as needed.

### **Git There | (React / Redux, AWS S-3, SQL-alchemy)**

[live](#) | [github](#)

*Full Stack web application focusing on productivity and task management throughout the job search.*

- Created streamlined workflow (developed from **user stories**) emphasizing **intuitive** and **responsive** data entry methods by enabling forms with multiple submission types by using switch case logic on state variables changed by every submission button.
- **Improved UI/UX** by solving the problem of displaying large amounts of text data in an organized way by using a modal pop-up for information displays and forms with **React** context to dive deeper into data quickly while maintaining a contextual view of the dashboard.
- Enhanced usability and engagement by building **3 various systems** to change the “status” of a given application to allow users to be flexible in the way they interact with their data.
- Enabled a **dark mode toggle** on the navigation bar by wrapping the application in a color context provider allowing all colors to be applied inline by keying into the one color object.
- Coded **AWS S3** integration to save specific versions of application documents used for a job and download them later if needed, simplifying the data organization process and allowing for **scalability**.

### **Local Plates | (React / Redux, Flask, Google Maps API, AWS, ReactIP-API,SQL-alchemy, PostGIS)**

[live](#) | [github](#)

*Full Stack web application - Clone of “Open Table”.*

- Implemented nested **React components** to create card scrolling mechanics and immediate search filter functionality.
- Integrated an **IP API** within **React** to achieve approximate location of a user enabling a **PostGIS** query in the **Flask** backend to sort restaurant results by distance to the user.
- Seeded **120** real restaurants with accurate coordinate data, 10 reviews, > 3 tags, and 5 photos attached. This massive amount of seed data required **API** calls to the **Google Maps API** done progressively in a loop with error handling.
- Generated > **1000** reviews quickly by applying a Flask seeder to loop through every restaurant entry and apply 10 random reviews to it.

## ADDITIONAL EXPERIENCE

### **Rouge Catering - Wedding Bartender**

Oct 2018 - Dec 2020

- Maintained the utmost level of professionalism, customer satisfaction, and standards in demanding, fast-paced environments under tight deadlines by successfully **prioritizing both customer and business needs**.
- Collaborated with large teams (**50+**), successfully accomplishing goals with high expectations by minimizing mistakes through consistent, **effective interpersonal communication**.