

# Alex Supkay

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## EDUCATION

**Stevens Institute of Technology**, Hoboken, NJ

Master of Science in Software Engineering, **GPA 4.0**

Expected May 2019

Bachelor of Science in Computer Science, Minor in Entrepreneurship, **GPA 3.64**

Expected May 2019

**Coursework:** Computer Science Honors (Data Structures & Algorithms), Software Engineering, Web Programming I & II, Database Management Systems, Agile Methods for Software Development, Concurrent Programming, Systems Programming, Entrepreneurial Thinking, Enterprise Software Architecture & Design, IT Security

**Honors:** Edwin A. Stevens Scholarship, Dean's List

## SKILLS

**Languages and Web Technologies:** Advanced: Node.js, MongoDB, JavaScript, HTML5, CSS, Python, Flask, React, Java Intermediate:

Redis, Socket.io, C++, C#, C, Bash, Erlang, Scheme, XML Beginner: LaTeX, jQuery, Ruby, PHP, SQL

**Tools:** Google Cloud Platform, Amazon Web Services, Git, Vim, Android Studio, Unity, Microsoft Word

**Operating Systems:** Linux, Windows

## TECHNICAL EXPERIENCE

**Tummy, LLC**, Hoboken, NJ

March 2018 - Present

Software Engineer

- Developed the backend of a mobile food finding app using **Node.js** and **MongoDB** to create an API helping the application release and reach 300 downloads.
- Forwarded login of the app to the server to control user data in a central location, with the goal of running analytics in the future.
- Deployed the app to AWS (Amazon Web Services) EC2 (Elastic Cloud Compute) using NGINX as a reverse proxy, and implemented a SSL (Secure Socket Layer) certification, using Let's Encrypt for a domain pointing to a static IP on Route 53.
- Accessed the Google Places API to extract restaurant information based on location, distance, maximum price, minimum rating, and whether the location was open or not.

**Turbo 360**, Hoboken, NJ

Oct 2017 – Present

Full Stack Developer

- Developed a serverless function in **Node.js** to hit APIs of Bitcoin exchanges and return price statistics which would be hit multiple times a second to pull update information.
- Adapted bootstrap templates to the Turbo 360 platform by adding a backend and customizing it for different businesses.
- Communicated with users of the platform to gather feature requests and requirements.

**JPMorgan Chase & Co.**, Jersey City, NJ

Jun – Aug 2018

Software Engineer Intern

- Worked on a DevOps team to automate processes and operated in a mindset of streamlining repetitive tasks.
- Used **Python Flask** to create web front ends for users to utilize self-service for private company processes.
- Saved 5 people on my team more than 6 hours every weekend where they would otherwise have to sit on call and wait to give information that can now be accessed by the self-service tool.
- Created and deployed confidential applications to the cloud to make tools widely accessible company wide.
- Collaborated with customers of applications to fix bugs and improve overall user experience.

## PROJECT EXPERIENCE

**GitHub Monitor, Personal**

Summer 2018

- Built a web application using the MERN stack (**MongoDB, Express, React, and Node**) and Socket.io to create a real-time updating application monitoring a given user's GitHub repositories for new commits.
- Created to be used as an information emitter for teams utilizing GitHub and agile development.
- Evaluated and used Google's Compute Engine and Cloud DNS as the optimal way to host the application online and connect the webhooks from GitHub.
- Used Firebase Auth to have easy single sign on for GitHub and used its GraphQL API to retrieve information about user accounts.

## LEADERSHIP EXPERIENCE

**Vaco**, Hoboken, NJ

Oct 2017 – Present

Google Cloud Student Innovator for Vaco at Google

- Planned and hosted several on campus events with a total attendance of about 400 students to promote the Google Cloud Platform.
- Developed websites utilizing App Engine and Google Cloud Functions on Google Cloud to demonstrate the uses to students.
- Collaborated with employees at Google to brainstorm ideas to get students excited about the Google Cloud Platform.

## ACTIVITIES

Stevens Game Development Club, Stevens Computer & Console Gaming Society, Computer Science Club, Phi Sigma Kappa Fraternity – Technology Chair, Executive Board – Inductor, JPMorgan Chase & Co. - Code for Good 2017 Hackathon Winner