Naomi C. Geffken

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Education

Clark University   **August 2017-June 2021 (Expected)**

Double Major in Computer Science and Economics
Minor in Data Science
GPA 3.56/4.0; Dean's List

Technical Skills   *** denotes advanced proficiency**

- **Languages:** Java*, Python*, SQL*, Node.js, C, GraphQL, JuliaLang;
- **Python Packages:** Pandas, Skicit-Learn, Matplotlib
- **Data Analytics:** Tableau*, Stata*, MySQL*, PostgreSQL, MongoDB;
- **Scrum and Agile Profiency:** Jira
- **Processing Systems:** Windows, OS, Linux (primarily Ubuntu)

Experience

Capital One | *Software Engineer Intern*   **June 2020-August 2020**

- Built a full stack bank account administration web app to simplify internal workflows using agile principles.
- Reduced time from 2-3 days to 30 seconds to search, add, and delete tracking of flagged accounts and prevent Automated Clearing House regulatory fines using API connections.
- Liaison between team and company leadership through an extensive approval process to handle and tokenize sensitive data. This included four presentations to leadership, consulting with an Architect, and preparing for a threat attack. Completed a Secure Coding Certification.
- Technologies used included Node.JS, Postman (for testing internal API connections), GraphQL, PostgreSQL databases, Angular frameworks, AWS, and Capital One internal tools. Working towards AWS Solutions Architect Certification.

Umass Memorial Medical Campus | *Process Improvement Intern*   **January 2020-March 2020**

- Created visualizations of key hospital metrics for hospital leadership using Tableau and Microsoft Excel.
- Planned and coordinated automating the process of collecting and visualizing KPI data using an Oracle ODBC and Tableau, to reduce time spent on future visualizations by up to half.

CYCJ (A Social Services Non-Profit) | *Research Assistant*   **August 2019-January 2020**

- Created a research instrument to collect qualitative data using RedCap Database to produce quantifiable metrics, reducing time for social workers to ask survey questions from ~6 hours to ~2 hours.
- Conducted the data movement and merge from the previous research instrument to the newly built-out tool.

Bruce Wells Scholar Program | *Lead Summer Coding Teacher*   **June 2019-August 2019**

- Pioneered a 5-week coding class for ~50 rising sophomores, juniors, and seniors to build their own apps.
- Designed and developed the program's first coding curriculum and functioned as a mentor to my intern.

Projects

- **OmiCloud Fall Detection** (2019). Life Alert that does not have to be worn: a hardware hack. Used Processing Language, Azure, and Microsoft Kinect to implement RANSAC algorithm to detect that a human has fallen. Sends an alert to caretaker's phone using Twilio. Won 3 awards at TechTogether BU.
- **E-Missions** (2018). Won two awards at WHACK (Wellesley) 2018. Used JavaScript, CSS, Google Maps API to build an app that estimates how much a user would save by switching to an E-Vehicle.

Leadership:

- **Teaching Assistant**: Algorithms (Fall 2020), Intro to Data Science (Spring 2020).
- **Peer Mentor:** Intro to the Global Economy (Fall 2020), Intro to Computing (Fall 2019)
- **Co-founder:** TIE, *Clark Center for Technology, Innovation, and Entrepreneurship* (2018-present).
- **Advocate, Article 89:** Changed Zoning Law in Boston to allow chicken keeping, beekeeping, and composting (2014).