

Sean Hellman

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EDUCATION

Northeastern University

- Master of Science in Computer Science (Seattle, WA) - GPA 3.98 expected Dec 2020
relevant courses: *Object-Oriented Design, Algorithms, Database Management Systems, Computer Systems*
- Bachelor of Science in Business Administration (Boston, MA) - GPA 4.00 May 2011

PROJECTS

Featured Project: **Allyship Network Web App**, May – Aug. 2020

- Managed development of frontend code from initial wireframing through implementation using **React + Redux**.
- Designed local app state to minimize sharing of PII between connected clients and safeguard user privacy.
- Mentored collaborators on **SQL** database schema design to balance the need for simplicity and performant queries.
- Implemented chat functionality using the **Twilio Programmable Chat API/SDK**, connecting clients in realtime.

Social Health App for *Special Topics in Software Engineering: UI/UX*, Jul. – Aug. 2019

- Collaborated to build a full-stack, web-based, and holistic health tracking app using **React** and **Google Firestore**.
- Implemented user diet tracking by connecting to a **web API** to parse queries and return detailed nutrition information.

Trivia App for *Special Topics in Software Engineering: UI/UX*, Jul. – Aug. 2019

- Built a trivia game with a focus on extensive user customization — such as the ability to adjust category, difficulty level, play mode, and more — using **React**.
- Populated game with questions from Open Trivia DB by connecting via **JSON API**.

Email Automation Program for *Object Oriented Design*, Mar. – Apr. 2019

- Developed a program in **Java** to mass-generate email messages and letters given templates and csv data.
- Implemented a flexible command line interface to allow users to quickly and easily run the program from a terminal.

Othello for *Intensive Foundations of Computer Science*, Nov. – Dec. 2018

- Implemented the strategy-based game Othello using **Python** and Turtle graphics. The user plays against the computer, which uses a rules engine to determine optimal moves.

PROFESSIONAL EXPERIENCE

Northeastern University (Seattle, WA)

Graduate Teaching Assistant, Sept. 2019 – Present

- **Courses:** Intensive Foundations of Computer Science, Special Topics in Software Engineering, Computer Systems.
- Advance students' understanding of computer science principles and how to write clean, well-organized code.
- Help students improve code accuracy by encouraging the use of and demonstrating how to write effective unit tests.
- Recipient of the 2019–2020 'Exceptional Teaching Assistant' award.

Kotis Design (Seattle, WA)

Vendor Relations Manager, May 2017 – Aug. 2018

- Secured favorable pricing and rebates by consolidating overall spending to fewer strategic vendors.

Import Manager, Oct. 2015 – Apr. 2017

- Generated \$400k+ in gross revenue within the first operational year of the department.
- Delivered safe, compliant, and high-quality products by partnering with third party auditors and laboratories to conduct inspections and product tests.

Account Coordinator, Aug. 2014 – Sept. 2015

- Delivered superior customer service, consistently averaging a monthly customer service score of 4/4.

TECHNICAL KNOWLEDGE

Programming Languages:	Python, Java, C, JavaScript (ES6), HTML, CSS
Libraries & Frameworks:	React, Redux, Bootstrap
Tools & Platforms:	Git, VSC, Android Studio, JSON API
Databases:	Cloud Firestore, Firebase Realtime Database, MySQL