Owen Simpson

(978) 621-6898 | simpson.o@northeastern.edu | linkedin.com/in/owen-s-simpson | github.com/owensimpson | Boston, MA

EDUCATION

Northeastern University   Boston, MA
Bachelor of Science in Computer Science   *Sep. 2021 – April 2025*
- GPA: 3.89/4.00 | University Honors Program | Dean's List
- Algorithms and Data | Object-Oriented Design | Computer Systems | Discrete Math

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Swift, Bash, HTML, CSS, Java, MySQL, C, Python
Frameworks/Libraries: Node.js, React.js, Next.js, Express.js, SwiftUI
Developer Tools: Git, Amazon Web Services, Agile development, Linux CLI, Xcode, Visual Studio Code, SSH

EXPERIENCE

iOS Engineering Co-op   Jan. 2023 – Present
Zipcar   *Boston, MA*
- Collaborated on agile team of 8 engineers to implement new features and fix bugs in the Zipcar iOS app
- Completed 25+ tickets writing production level code in Swift, SwiftUI using multiple design patterns
- Reviewed pull requests of other engineers

Software Developer   Jan. 2023 – Present
Sandbox at Northeastern Club   *Boston, MA*
- Delivered NU Carpool, a full stack web app to connect carpooling students on co-op at Northeastern
- Implemented system to allow users to favorite others using full stack system using React, tRPC, Prisma, MySQL

Undergraduate Computer Science Teaching Assistant   Aug. 2022 – Dec. 2022
Northeastern University   *Boston, MA*
- Introduced intro level concepts including program design, unit testing, recursion, and abstraction
- Led team of 4 in weekly labs to reinforce material in a smaller environment of ~35 students
- Provided feedback to students through grading by leaving informative comments
- Hosted 4+ office hours a week to provide direct 1 on 1 academic support to students

Retail Technical Associate   July 2019 – Aug. 2021
Staples, Inc   *Acton, MA*
- Elevated customer satisfaction by performing diagnostics on customer's faulty hardware
- Bolstered sales by pitching computers, printers, and chairs using basic up-selling techniques
- Maintained store by performing simple tasks such as tagging, cleaning, stocking, and contactless delivery

PROJECTS

Ada-2 | *Node.js, Git, Discord.js, Bungie API, MySQL, AWS, Cron, Bash*   October 2022 – November 2022
- Developed application using JavaScript, TypeScript, MySQL to improve experience of players in game Destiny 2
- Optimized personal npm package to interface with the Bungie API to make 1000+ requests in <5 minutes
- Deployed application to cloud to service 100+ guilds and 2000+ users
- Managed operations by triaging feature requests and bugs in public forum

OODestiny | *Node.js, TypeScript, Git, Bungie API, npm, OpenAPI v3.0*   July 2022 – August 2022
- Repurposed open-source tool to automate TypeScript definition generation for the Bungie.net REST API
- Optimized npm package by reducing bundle size by 50%
- Compiled Node.js wrapper to simplify API calls and published to npm registry with 500+ weekly downloads
- Facilitates development of web apps through live updates to support new game systems in Destiny 2

Simple Image Processor | *Java, JUnit 5, Git*   May 2022 – June 2022
- Built image processor to perform algebraic manipulations on ppm, png, jpg files using MVC design pattern
- Collaborated with partner through daily meetings to draft, plan, program, test, and submit assignment
- Optimized time complexity for pixel manipulation to improve performance