Cooper Birdsall

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Education

Brown University
2018-2022 | Computer Science | Providence, RI

Experience

Research Assistant: Human-Computer Interaction Lab
Summer 2021 | Brown University Computer Science Dept. | Providence, RI
- Contributed to the Self-E app codebase
- Designed and coded new features to expand the app's capabilities
- Deployed the updated version and managed usability testing

Teaching Assistant: Object-Oriented Programming
Fall 2019 | Brown University Computer Science Dept. | Providence, RI
- Led weekly lab meetings on Linux and Java, held weekly TA hours
- Developed and graded course assignments
- Ran live A/V system for a course of 400+ students
- Acted as a mentor for a small subset of students

Digital Innovation Intern
Summer 2019 | Green Mountain Electric Supply | Colchester, VT
- Developed Visual Basic macros to analyze, organize, and update data for over 1 million products in Excel
- Reduced E-commerce webpage load times by over 2 seconds by batch compressing 300,000+ product images
- Maintained an active FTP Site to manage company-wide database

Projects

Self-E
August 2021 | Flutter/Dart
- Updated an existing version-controlled app to fix and remove deprecated code
- Designed and implemented new interfaces and features

Fridgey
May 2021 | React Native, Figma
- Managed design for the developer team of a mobile app
- Acted as a liaison between the client and other programmers

2D Game Engine
December 2020 | Java
- Created a two-dimensional game engine from scratch which included collision detection, animation, and simple AI
- Implemented a UI toolkit for drawing common interface elements

Skills & Tools

Coding
- HTML/CSS
- JavaScript
- Python
- Java
- ReactJS/Native
- Flutter/Dart

Design
- Adobe CC
- Balsamiq
- Figma
- Sketch