

# Daye Jack

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## EDUCATION

**New York University**, College Of Arts and Sciences, New York, NY  
Bachelors of Arts, Computer Science, Cum Laude (GPA: 3.80)

Dec 2020

*Relevant Coursework: Applied Internet Technologies, Interactive Computing, Database Design, and iOS programming*

**Duluth High School**, Duluth, GA

May 2013

Honors Graduate (GPA: 3.9)

## TECHNICAL SKILLS

<b>Coding Languages:</b>	Swift, JavaScript, C, Python, SQL
<b>Mobile Development:</b>	React Native, UIKit, Xcode
<b>Backend Development:</b>	Node.js, Express, Socket.io, HTTP
<b>Frontend Development:</b>	HTML, CSS, Vanilla JS, p5.js, React
<b>Databases:</b>	MongoDB, SQLite, MySQL, Firestore
<b>Methodologies:</b>	Object Oriented Programming, Asynchronous programming, Agile

## PROJECTS

**Handel - Programming Language** (Javascript, Tonejs, Programming language design)

Winter 2020

- [Link to the language guide](#) / [Link to the language implementation](#) / [Link to the Handel Web Editor](#)
- Handel is a procedural programming language for composing music in browser.
- Handel is implemented using programming language design best practices.

**React-Native-Highlightr - Code Editor Component** (Swift, React Native, Javascript, Native UI Components)

Fall 2020

- [Link to the library](#)
- React Native Highlightr is an open source library for react-native that wraps the Highlightr Cocoapod.
- React Native Highlightr allows users to easily add code editor views to their react-native mobile applications.

**Mobile Coder - Mobile Application** (Javascript, Node.js, React Native)

Fall 2020

- [Link to the mobile application](#) / [Link to the desktop client](#)
- Mobile Coder is a mobile app and desktop client that work together to allow developers to easily sync coding on the go on their mobile device with files on their desktop machine.

**Moo Chat - p5 application** (Socket.io, P5.js, P5 speech, Node.js, Javascript)

Fall 2020

- [Link to the chat application and documentation](#)
- A demo tile based 2D chat application. Users can create chat rooms, and invite friends. Within rooms, users appear as cows, whose animation state, and messages, are sent over web sockets.

## TECHNICAL EXPERIENCE

**Software Engineering Intern: Echo AR**, New York, NY

Sept 2020 - Nov 2020

- Languages/Technologies: Java, Typescript, Angular, Augmented Reality
- Built demo augmented reality applications using the echoAR sdk, which are serving as example applications for users to gain inspiration from.
- Implemented profile picture functionality, which shipped to over 1,000 users.
- Made bug fixes, to add additional file conversion functionality for users on the echoAR console.

**Software Engineering Intern: PotatoTV**, New York, NY

Sept 2020 - Dec 2020

- Languages/Technologies: React Native, Javascript, Swift, Agile Methodologies
- Revamped multiple screens on the potatoTV mobile application. Added new features for the chat, admin, and homepage screens in the application.
- Began building a Swift port of the potatoTV React Native app.

**Operating Systems Teaching Assistant: Courant Institute (NYU)**, New York, NY

Jan 2020 - May 2020

- Languages/Technologies: C, C++
- Aided students in debugging coding labs, by hosting weekly office hours.
- Provided guidance for students regarding concepts covered in the course (file systems, concurrency, etc.)

## NON TECHNICAL EXPERIENCE

**Recording Artist, Warner Music Group**, Los Angeles, California

Jan 2014 - Aug 2018

## ACTIVITIES

Founded Web Calls, (in top 10% of startups considered Y-Combinator Winter 2019)

June 2018 - Feb 2019