

Jake Podell

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Education & Relevant Coursework

Cornell Engineering: Computer Science

May 2019

- GPA: 3.58
- Minors in Electrical Engineering and Cognitive Science
- Principles of Artificial Intelligence, Embedded Systems, Honors OO Design and Data Structures in Java, Discrete Mathematics, Digital Logic, Multivariable Calculus, Linear Algebra, Differential Equations

Awards

- Spring 2016, Fall 2016 Dean's Honor List for outstanding scholastic performance
- Second in mission: 2016 Student Unmanned Air Systems Competition

Experience

Software Development

Salt: iOS Development Intern

Summer 2016

Swift, Node.js, Objective-C, Git

- Designed and implemented a "connect to friends" feature which accesses the user's address book to find contacts with Salt accounts
- Implemented a front end redesign to allow users to see comments from their friends
- Eliminated our Objective-C dependency by translating files to Swift
- Front end Swift/ Objective-C and back end Node.js development for Salt, an angel backed iOS startup

Pentacle: Smalltalk Developer

2016 - 2017

SmallTalk

- Freelance work developing QUBE, a Smalltalk based three dimensional environment used as a virtual classroom by Pentacle (The Virtual Business School) for their executive education courses
- Built new front end features and improved user experience when dragging and resizing visual elements

Nickelfish: Software Development Intern

Summer 2015

HTML, CSS, Javascript, PHP, SQL, Laravel

- Lead the development of a promotional web application for Michael Kors' website. Users upload pictures/ videos of themselves and overlay the uploaded media with Kors apparel
- Built and debugged websites for clients such as Coldwell Banker, Prudential, and ADP
- Broadened our CSS and Javascript compatibility across multiple devices, operating systems, and browsers

Electrical Engineering

CUAir: Electrical Team Member

2015 - Present

Altium, Arduino, Python

- PCB design and microcontroller programming for our in-flight air drop system
- Responsible for RF communications, networking, power systems, on-aircraft computing, and custom electronics design
- Wrote a bash script to autonomously connect the plane to wireless networks and execute two way file transfers

Graphic Design

All Lacrosse: Graphic Designer

2015 - Present

Illustrator, Photoshop

- Graphic and logo design, primarily for sports jerseys and Greek organization apparel

Cornell Real Estate Club: Graphic Designer

2016 - Present

Illustrator, Photoshop

- Redesigned and optimized the club's logo for printing within smaller constraints

Skills

Primary

- Java, Swift, Python, HTML, CSS, Javascript, JQuery, C, Arduino, Photoshop, Illustrator

Familiar

- Objective-C, PHP, Android, React.js, Node.js, SQL, Smalltalk, WordPress, Laravel, Bash, Altium