Jake Podell

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Education & Relevant Coursework

Cornell Engineering: Computer Science Major, Cognitive Science Minor   May 2019
- GPA: 3.58
- 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