

JOHN KOTZ

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EDUCATION

Dartmouth College, Hanover, NH

Bachelor of Arts in Computer Science

Courses: Algorithms, Software Development and Implementation, Digital Electronics, Computer Animation

GPA: *Computer Science:* 3.62

June 2019
GPA: 3.52/4.0

WORK EXPERIENCE

Digital Arts Leadership and Innovation (DALI) Lab *Senior Developer and Mentor* **January 2016 - Present**

- Coordinated with developers and designers in teams to develop iOS and Android applications
 - Overhauled code from past project BookUp to enable live messaging in-app
 - Launched location-based scavenger hunting React-Native app prototype-release in 2 1/2 months
- Created development and productivity resources for lab members
 - Built REST API server to handle and control all information and features available to members
 - Released iOS and Android app using the API, now on every member's device
- Mentored multiple teams with debugging and best practices for React-Native, Swift, and Objective-C

BookUp, LLC *Co-Founder, Lead iOS Developer*, Hanover, NH

June 2016-February 2017

- Redesigned and expanded functionalities of iOS app, increasing usage by 10%
- Rebuilt iOS app and server, increasing performance by 25%
- Partnered with Dartmouth professors and presented in classes, generated 40% more usage

Dartmouth COSC 50 Learning Fellow, Hanover, NH

March 2017-June 2017

- Inspired, guided, and organized 12 of 70 students during in class activities and final projects
 - Gathered insights on what would improve the course and which students needed more help
 - Tutored students to reinforce class material
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PROJECT EXPERIENCE

Valley Quest Lebanon, NH

June 2015 - June 2016

- Volunteered at non-profit Vital Communities designing, developing, and releasing Valley Quest iOS

Encounters Study *iOS Developer*, Hanover, NH

January 2016 - June 2016

- Engineered iOS app counterpart in Dartmouth graduate study tracking students using BLE iBeacons

Khan Academy Animation Development *Intern*, Hanover NH

August 2014 - June 2015

- Designed animations on Khan Academy demonstrating algorithm applications like Towers of Hanoi
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LEADERSHIP & ACTIVITIES

Creative Gaming Club *Event manager and Co-Founder*, Hanover, NH

August 2016 - Present

- Grew attendance at events by 300%
- Forged new and exciting partnerships with local clubs and businesses

Coder Dojo *Administrator and Teacher*, Hanover, NH

October 2015 - Present

- Taught middle and elementary school students in NH how to code in Swift and on NXT
 - Organized logistics and curriculum and recruited Dartmouth students to teach
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AWARDS & HONORS

Apple WWDC Scholarship Recipient San Jose, CA

June 2017

- Awarded one of 350 scholarships to attend Apple's World Wide Developer Conference in San Jose

Neukom Scholar DALI Lab, Hanover, NH

January 2016

- Granted \$1000 for exceptional work in the DALI Lab
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SKILLS & INTERESTS

Skills: Swift, Objective-C, Xcode, React-Native, Bash, C, Git, Javascript, Node, Express JS, Java, Algorithm design, Python (intermediate), Unity (beginner), VHDL (beginner)

Interests: Dungeons and Dragons, A Cappella, Machine Learning, Board Gaming, Renewable Energy