**Zach Zager**

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484-547-7472

**EDUCATION**

**TUFTS UNIVERSITY Medford, MA**

Master of Science, Innovation & Management Expected August 2018

Bachelor of Science, Engineering Psychology, GPA: 3.74 May 2017

**PROJECT MANAGEMENT**

**POWERPLAY TECHNOLOGIES Medford, MA**

*Founder and Product Developer* October 2016 - Present

* Conduct user interviews to inform the design of educational playground equipment
* Build 3D models, animations, and wireframe mockups to demonstrate product potential to investors
* Finalist and active participant in MassChallenge Startup Accelerator
* Placed second in the Tufts 100k New Ventures Competition

**180 DEGREES CONSULTING Medford, MA**

*Project Manager* September 2015 - December 2016

* Led team of 5 students to improve campus outreach and management strategies for the Leonard Carmichael Society, Tufts’ umbrella organization for community service activities
* Developed strategies for the New England Center and Home for Veterans to increase long-term donating behavior

**MOTUS, LLC Boston, MA**

*Product Intern* May - August 2016

* Determined requirements and designed layouts of the user-facing side of Motus’ SaaS platform
* Communicated with data providers to leverage cloud, API, and SDK capabilities
* Performed market sizing to predict strategic and financial implications of incorporating in-app purchases

**SOFTWARE DEVELOPMENT**

**CLIMACELL Boston, MA**

*Software Development Intern* January - May 2017

* Implemented signal-processing algorithms to generate real-time weather visualizations
* Composed unit tests in Python to measure accuracy of weather forecasting
* Built client-facing features of ClimaCell’s revolutionary real-time weather platform using Angular

**WAFFLE CATS Medford, MA**

*Creator and Developer* October 2015 - Present

* Developing a multiplayer mobile game for eventual release on both iOS and Android platforms
* Program scripts, design visual assets, coordinate music composition and investigate marketing opportunities

**TEACHING**

**INSPIRICA Boston, MA**

*Tutor* June 2017 - Present

* Provide intensive one-on-one tutoring for the ACT, SAT, ISEE, and other standardized exams
* Utilize performance metrics to identify score-increasing strategies for students

**NATIONAL STUDENT LEADERSHIP CONFERENCE Los Angeles, CA and Washington, DC**

*Team Advisor* June - August 2017

* Mentored 14 to 20 teams of high school students per session in their efforts to create video games
* Planned curriculum and taught classes on C# programming in Unity for three, weeklong sessions
* Guided students through the effective use of agile methodology in their development process

**TUFTS UNIVERSITY COMPUTER SCIENCE DEPARTMENT Medford, MA**

*Teaching Assistant* September 2015 - May 2017

* Instructed students on the fundamentals of computer programming in C++ as a lab leader and in office hours
* Tested, graded, and provided feedback on students’ homework assignments

**SKILLS**

*Languages/frameworks*: C++, C#, Python, HTML/CSS, JavaScript, MEAN, MATLAB, Java

*Design technologies*: Unity, AutoCAD, Inventor, 3ds Max, Revit, Photoshop, Illustrator

*Analytics software*: SPSS, Google Analytics, Microsoft Excel, Domo