John**Casey**

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Education

Tufts University   *Medford, MA*
B.A. IN HISTORY AND COMPUTER SCIENCE   *Sep. 2012 - May 2016*
- Computer Science coursework: Data Structures, Programming Languages, Machine Structure & Assembly-Language Programming, Web Programming, Web Engineering, Databases, and Human-Computer Interaction.
- History coursework: European History, Intellectual History, and a Research Seminar on Pacific Coast America.

Universität Tübingen   *Tübingen, Germany*
STUDY ABROAD - COURSES TAUGHT IN GERMAN   *Sep. 2014 - Jul. 2015*
- Computer Science coursework: Computation Theory and Algorithms.
- History coursework: The Church History of Württemburg.

Experience

Experimental College at Tufts University   *Medford, MA*
PEER TEACHER   *Sep 2015 - Dec.2015*
- Co-Taught a class on "The Anthropology of Dungeons and Dragons" to a class of 13 freshmen.
- Designed a curriculum from scratch, including lesson plans, assignments, readings, and a guest lecture.
- Taught students to engage with, analyze, and critque a subculture while remaining respectful and unbiased.

Marquette University   *Milwaukee, WI*
RESEARCH INTERN   *May 2014 - Jul.2014*
- Improved *Exploring Computer Science*, a curriculum for teaching basic computer science to 9th graders.
- Challenged to move *ECS* off of the LEGO Mindstorms system, which was proving to be too expensive for general use.
- Developed a new curriculum based on the Arduino Leonardo which retained the essential learning components of *ECS*.
- Reduced costs from 230-320 dollars per unit to approximately 50 dollars per unit.

Project

Foodfinder - A Free Food Finding Service
LEAD DEVELOPER   *Oct.2015 - Current*
- Wanted a way to crowdsource free food events on campus.
- Brought a 5 person team together to create a full stack website during Tufts Polyhack 2015.
- Created a working alpha in 20 hours.
- Currently in development on Heroku: `https://shrouded-stream-3267.herokuapp.com/`.

Skills

Foreign Language German

Programming Languages C, C++, Python, JavaScript, HTML, SQL

Software LaTeX, Vim, Flask, Git, Valgrind

Hobbies and Interests

Magic: The Gathering, Tabletop Roleplaying Games, Finding ways to practice my German