

# HARRISON GREGG

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## EDUCATION

**M.S in Information Systems, Connective Media** Class of 2017  
Jacobs Technion-Cornell Institute, New York City

**Course topics:** Computer Science, Entrepreneurship, Business, Psychology, and Sociology in the context of communication, information, and media

**B.A. Computer Science, Math GPA: 3.92** Class of 2015  
Bard College at Simon's Rock, Great Barrington, MA

**Additional Coursework:** Physics, seminar series, philosophy, chorus, and beginning German

**Aquincum Institute of Technology**, Budapest, Hungary Spring 2014

**Distinctions:** 5.0/5.0 GPA taking 30 credits, 1<sup>st</sup> rank in class

**Course topics:** Theoretical and practical computer science, discrete math, entrepreneurship, and design

## PROJECTS

**Simon's Rock Senior Thesis Project - FollowUp Mental Health Treatment Manager**

- Mobile app for improving care effectiveness with medication reminders and progress tracking
- Interface developed with PhoneGap using HTML, JavaScript, AngularJS, and Bootstrap UI

**Spoken Dialogue System for Campus Dining Services**

- Voice operated online interface to provide information on dining hall food and hours
- HTML scraping, state logic, text classifiers, and Flask server implemented in Python

**Buttons and Scissors NP-Completeness Conference Paper**

- Proved NP-completeness of Buttons and Scissors mobile game through reduction to 3SAT
- Implemented integer program reduction able to solve all levels of the game

**UniBreeze-University Event Planning and Search Network**

- Designed and refined interface with user interface testing for User Interface Design class
- Developed business plan and marketing materials for IT Entrepreneurship class

## EXPERIENCE

**Freelance Front End Developer** January 2015-Present

- Developing customer portal for corporate wellness service contractor, *Wellness Concepts*
- Developed Tibetan map interface using SVGs and JQuery for *Treasury of Lives*

**Software Engineering Intern** Summer 2014

General Electric Software, San Ramon, CA

- Led server performance testing initiative for the Transportation Software department, developing and deploying HP LoadRunner scripts for multiple projects
- Performed front end development of internal webapp using AngularJS and JQuery
- Tested and demonstrated technologies such as Apache Solr for potential use in system

**Biophysics Research Assistant** Summer 2012

Dr. Eric M. Kramer, Bard College at Simon's Rock

- Created a computer program to simulate hormone diffusion in cell bodies of varying shapes

**Additional Experience:** 2012-present

- Providing student and faculty tech support and performing network maintenance on campus
- Tutoring classes and individuals in Math, Physics, and Computer Science

## PROFESSIONAL DEVELOPMENT

**Founding Member**, SRC Coders Club, Bard College at Simon's Rock: Organized trips to programming competitions and hackathons; Worked on a variety of group projects, built a 3D printer

**Technical Skills:**

- Languages: C++, C#, CSS, HTML, Java, JavaScript, L<sup>A</sup>T<sub>E</sub>X, Lua, Python
- Frameworks: AngularJS, Bootstrap, Flask, JQuery, NodeJS, React
- Tools: Android SDK, Git, HP LoadRunner, MongoDB, OpenGL, Parse, PhoneGap
- Other Skills: Agile Development, Unix, Arch Linux, Computer Hardware