# 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, $1^{st}$ 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 andScissors 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 webappusing 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:**                             2012-2015
- 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, LaTeX, 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