

HARRISON GREGG

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EDUCATION

B.A. Computer Science, Math GPA: 3.92

Class of 2015

Bard College at Simon's Rock, Great Barrington, MA

Additional Coursework: Advanced physics and theoretical mathematics, seminar series, philosophy, choruses and vocal lessons, beginning German

Aquincum Institute of Technology, Budapest, Hungary

Spring 2014

Distinctions: 5.0/5.0 GPA taking 30 credits, 1st rank in class

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

PROJECTS

Simon's Rock Senior Thesis Project – Mental Health Care Software

- 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, LaTeX, Lua, Python
- Frameworks: AngularJS, Bootstrap, Flask, JQuery, NodeJS, React
- Tools: Android SDK, Git, HP LoadRunner, MongoDB, OpenGL, Parse, PhoneGap
- Other Skills: Agile Development, Arch Linux, Computer Hardware