Frank Cangialosi

4052 Arjay Circle, Ellicott City, MD 21042 fcangialosi94@gmail.com (410)-375-7977 https://github.com/sbfcangialosi

EDUCATION

• University of Maryland, College Park '16 Major: Computer Science

- GPA: 3.85
- Honors College: Selective living-learning program, offers smaller, faster-paced, more in-depth Honors level courses
- Gemstone Honors Program (Team TESLA): Research team studying the application of non-linear time reversal to wireless power transfer, resulting in an original thesis by graduation

SKILLS

- Web Programming Experience: HTML, CSS, JQuery, JavaScript (Basic), JSON
- Programming Languages: Java, C, Ruby, Python
- Other Technologies: Git, Google Web Toolkit, Selenium, JUnit, Ruby on Rails, SQL, MongoDB, Drupal, LATEX
- Development Environments: Unix, Linux (Ubuntu), Mac OS X, Windows, Eclipse IDE, IntelliJ IDEA, Android Studio

PROJECTS

• HackMIT 2013 October 2013 SmartWindowCambridge, MA

- Designed and programmed SmartWindow, a window that opens/closes automatically to minimize AC use
 - * System consisted of: NodeJS server to make decisions, Arduino Uno and servos to open/close window, thermistor to measure room temperature, and Electric Imp chip to facilitate communication between the components
 - * Created custom Android application to manually open/close window
- Top 10 Finalist and winner of Weather Underground and Twilio API awards

EXPERIENCE

University of Maryland

January 2014 - Present

College Park, MD

- Research Assistant
- - Developing a system to accurately measure real-time latencies between home networks we do not control by building custom circuits through the Tor anonymity network
 - Writing a paper describing results to be submitted to ACM Internet Measurement Conference 2014

• Noble Applications

Consultant

September 2013 - January 2014

Madison, WI

- Assisted in development of Android and iPhone applications for clients utilizing Eclipse and Android Studio IDEs
- StudyBlue

June 2013 - August 2013

Programming Intern

Madison, WI

- Refactored a large portion of the website (3.5 million+ users), migrating logic from client to server, and creating GWT Remote Procedure Calls to facilitate communication between the two
- Modified session storage and access on MongoDB and PostgreSQL to create a new study feature for the website
- Added quizzing to the Android application (100k+ downloads) utilizing RESTful web services to generate content, and creating customized views and paging mechanisms to display it
- Wrote automated QA tests for study features on the website utilizing Selenium and JUnit

HONORS

- National AP Scholar and AP Scholar with Distinction
- First Place at Maryland Regional and State Finals Science Olympiad Tournaments
- Tim Brierely Memorial Scholarship: Awarded for being a very well-rounded computer science student embodying the promising qualities of the late Tim Brierely
- UMD Dean's List

REFERENCES

Available upon request