William C. Thompson

69 Brown Street
Box 4535
(646-246-4298
wct616@gmail.com

Education

Sep 2013 - Jun 2017
+Brown University: Prospective Sc.B In Computer Science
Relevant Coursework: CSCI-0190 (Accelerated Introduction to Algorithms and Functional Programing), ENGN-0030 S4 (Advanced Introduction to Engineering), MATH-0180 (Multivariable Calculus), CSCI-0320 (Software Development-built large scale Java programs with GUIs a client-server based **fully interactive google-maps like program for Providence, RI.**), CSCS-0220 (Discrete Mathematics).
Sep 2012 - Jun 2013
+Columbia University
Took computer sciences classes for credit during senior year of High School: Advanced Programming in C/C++ (**Built a web server from scratch in C**) and Data Structures and Algorithms in Java.
Sep 2007 - Jun 2013
+Hunter College High School
A Average; Exhausted curriculum in Math, Computer Science and Physics

Experience

May 2014 - August 2014
+Production Kernel Testing Team Intern at Google
Creating an internal tool to assist kernel and kernel test engineers by allowing for searching, visualization and tagging of information collected from daily automated kernel tests across various architectures. Tool generalized and made available to all google engineers for testing visualization and aggregation. **Extensive Google App Engine with Angular JS and Python experience.**
Jun 2013 - Sep 2013
+Support Engineering Intern at Fog Creek Software
Led the continued development and open source release of internal team management and scheduling software (**https://github.com/FogCreek/solari-board**). Developed web programming skills (**Javascript+jQuery, serverside setup and deployment of public apps**) and gained familiarity with the professional software development world including **heavy use of source control (Git/Kiln).**
Jun 2012 - Sep 2012
+Simons Research Fellow at Stony Brook University
Researched human pose imaging robotics control systems under Dr. Yu Zhou. Abstract or Paper available on request: "Improved Accuracy of a Human Pose Imaging Robotics Control System." Gained **experience programming microcontrollers** and **hacking hardware such as the Microsoft Kinect** using open source drivers.

Extracurricular Activities

+Co-Founder and Lead Android Developer of Squawk, Mobile startup.
Squawk is a mobile app designed to bring together the personality of voice messaging and the convince of text messaging. The app originated as the winning project at the Hack@Brown hackathon, but after our team was admitted into the Brown Venture Labs accelerator, it became a full blown application with users worldwide.
Sep 2010 - 2013
+Captain of FIRST Robotics Team 3419:
Captain for two years (2011-2013). During six-seven week build season, participated 6-8+ hours every day, 6 days a week to build a large scale robot capable of playing a specific game. More Info: https://sites.google.com/site/firstteam3419/gallery/2012

- **Winner of Rockwell Automation Innovation in Control award at 2013 NYC regional event**
- **1st Place Winner of 2012 Chesapeake regional, World Championship qualifier**

Summary of Skills

+Programming Proficiency: Python, Java, Javascript (AJAX + jQuery, AngularJS), C, Android. Knowledge of and experience with ROS (Robot Operating System) and openCV.
+Hardware: Experience with Arduino Microcontrollers, Microsoft Kinect. Proficient CNC Machinist
+Computer-Aided Design: Autodesk Inventor, Solidworks, experience with 3D printers (Makerbot Replicator II, Cupcake)

References

Karl Sprules - karl.sprules@alliancebernstein.com

Chief Technology Officer and Senior Vice President at AllianceBernstein, Primary Mentor of FIRST Team 3419

Gilana Reiss - greiss@hccs.hunter.cuny.edu

Chemistry Teacher at Hunter College High School, Teacher in General Chemistry and Organic Chemistry courses, science research mentor and coordinator