

# William C. Thompson

69 Brown Street  
Box 4535  
(646-246-4298  
[wct616@gmail.com](mailto:wct616@gmail.com)

## Education

---

*Sep 2013 - Jun 2017*

**+Brown University: Prospective Sc.B In Computer Science**

Relevant Coursework: Advanced Intro to Algorithms and Functional Programming, Advanced Intro to Engineering, Multivariable Calculus, Discrete Mathematics, Software Development (built large scale Java programs with GUIs including a client-server based **fully interactive google-maps like program**).

Current Coursework: Systems Programming (x86/64, C, basic computer architecture), Designing and Developing UIs, Linear Algebra, Computers and Music (History of electronic music and basic production).

*Sep 2012 - Jun 2013*

**+Columbia University**

Took computer sciences classes for credit during senior year of High School. C Programming and Data Structures 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: Worked on control system to move a robotic arm as your moved your arm. Gained **experience programming microcontrollers and hacking hardware such as the Microsoft Kinect** using open source drivers.



## Extracurricular Activities

---

**+Web Dev and Core Team Member for Hack@Brown Hackathon**

Hack@Brown is Brown's annual hackathon focused on bringing a diverse group of student programmers and designers together with engineers from tech companies to build interesting projects without the or competitiveness of many other hackathons. Also help design and teach workshops prior to the hackathon to teach students useful skills for building and releasing software such as HTML/CSS and app frameworks.



**+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. During six-seven week build season, built a large scale (~4'x5') robot capable of playing a specific game. More Info: <https://sites.google.com/site/firstteam3419/gallery/2012>

## Summary of Skills

---

**+Programming Proficiency:** Python, Java, Web Programming (Javascript -jQuery, AngularJS, CSS, HTML), 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, experience with 3D printers (Makerbot Replicator II, Cupcake)