

C++ Software Engineer - Research Assistant C++ Software Engineer - Research Assistant C++ Software Engineer - Research Assistant - City University of New York Hunter College Brooklyn, NY  
Authorized to work in the US for any employer Work Experience C++ Software Engineer - Research Assistant City University of New York Hunter College - Manhattan, NY June 2017 to Present Built a simulation of an ad hoc network to prove inadequacies for disaster communication Generated simulated results for a network that utilizes cognitive radios and dynamic spectrum analysis to replace traditional ad hoc networks Javascript Web Developer homebody Inc. - Manhattan, NY June 2017 to Present Ported all existing front end Rails elements to React components Cleaned existing codebase alongside the Chief Technology Officer Swift iOS Software Engineer TechCrunch Disrupt NY 2017 Hackathon - Manhattan, NY May 2017 to May 2017 Used Facebook's Graph API to obtain users' friends so users can view what their friends are studying Worked with Firebase to store users' study cycles, to be done tasks and completed tasks Python Data Engineer Hunter College - Manhattan, NY April 2017 to May 2017 Utilized Spark clusters and HDFS to speed up map reduce process and have persistent data Made use of AWS EC2 and S3 to host the query scripts and store data source CSVs Wrote map reduce algorithm to find entrez-id's linked to patient results through several files Swift iOS Software Engineer CUNY Codes - Manhattan, NY February 2017 to May 2017 Created iOS app to auto create chatrooms for students using Blackboard based on their classes Acted as SCRUM master to plan user stories and sprints using Pivotal Tracker Debugged Rails API with a backend developer to ensure good real world performance of API C++ Software Engineer Hunter College - Manhattan, NY November 2016 to December 2016 Utilized connected component labelling and circular hough transform to recognize coins in an image Integrated the openCV library for convenient functions within the project Javascript Web Developer Hunter College - Manhattan, NY June 2016 to August 2016 Utilized MongoDB for the database to store Tweets and results Learned Express framework to manage routes to pages on our website Worked with AngularJS to implement animations as well as view controllers Implemented a RESTful API using Node.js to call functions that deal with Twitter's API with Tweepy Implemented tf-idf to compare the Tweets gathered to those of the presidential

candidates' Python Data Engineer Hunter College - Manhattan, NY April 2016 to May 2016 Used Neo4j to create a map of all users that may be connected via skills, workplace and hobbies Employed MongoDB to allow users to perform quick retrieval on database if given a specific person Leadership iOS Mentor with MakeSchool; Bytehacks, CUNY Hackathon, Flawless Hacks; Current Rails Full Stack Web Developer Pioneer Lending LLC. - Brooklyn, NY June 2015 to October 2015 Utilized Ruby on Rails to develop an application to help streamline loan filing process Executed weekly deployments with Heroku to facilitate bug detection and assist continuous integration Created algorithm to pull client information from database to generate the correct forms in PDF Designed and implemented database using PostgreSQL to store client information Education BA in Computer Science City University of New York Hunter College - New York, NY March 2017 Skills Ruby (Less than 1 year), BOOTSTRAP (Less than 1 year), CSS (2 years), HTML (2 years), Rails (Less than 1 year), Javascript (1 year), C++ (5 years), MySQL (1 year), Python (2 years), Swift (1 year), Firebase (Less than 1 year), IOS (1 year), Big Data (1 year), noSQL (1 year), Software Development (5 years) Links <https://github.com/willgocode> <https://github.com/perspectiveProjection> <https://linkedin.com/in/willgocode> <https://will-go-code.herokuapp.com> Additional Information My full resume can be obtained through: <https://www.dropbox.com/s/7gq6xvgd447rh4i/William%20Wu%20-%20Main%20Resume.pdf?dl=0>

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