

# Nahum Getachew

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Computer science major at Columbia University interested in full-stack and mobile development.

<b>Education</b>	<b>Columbia University   New York, NY</b> <i>Bachelor of Science: Computer Science</i> <i>Coursework:</i> Fundamentals of Computer Systems, Introduction to Programming in Java, Data Structures in Java, Advanced Programming in C, Discrete Mathematics, Computer Science Theory, Networking	<b>Expected May 2021</b>
<b>Experience</b>	<b>Major League Baseball   Software Engineering Intern</b> • Worked with automated testing for baseball game ticketing services. Included validating API responses, testing invalid inputs, and ensuring data consistency while the company migrated cloud providers. • Worked in Java using JUnit framework.  <b>Google   Software Engineering Intern</b> • Implemented smart suggestions in the Google Home app, allowing users to quickly find frequently used smart home controls quickly upon opening the app. • Worked in Objective-C, Java, and Kotlin.  <b>Spectator Publishing Company   Software Developer</b> • Building web applications in React.js for the Columbia University community, including a comprehensive campus housing information center and a Chrome extension making the University's course registration website more functional.  <b>Red Alpha   Software Engineering Intern</b> • Researched capabilities of Neo4j graph database in order to design linked data environment for use in government contract project • Worked with Spring Framework, including Spring Boot and Spring Data, to create scalable and adaptable REST API for the linked data environment.	<b>Sept 2019 - Dec 2019</b>  <b>May 2019 - Aug. 2019</b>  <b>Sept 2018 - Sept 2019</b>  <b>June 2018 - Aug. 2018</b>
<b>Projects</b>	<b>umusio</b> <i>Free music app for iOS devices— 1 million+ downloads</i> Allowed users to search for music and create playlists in an intuitive user interface comparable to paid services such as Apple Music or Spotify. Algorithm matched songs to YouTube videos and streamed them for free. I was the sole developer & designer.  <b>ViQuote (available on GitHub)</b> <i>Projected health insurance premium costs using machine learning</i> Created at YHack 2017. Used a data set from health insurance company ViTech to train a TensorFlow model which was hosted on Google Cloud and accessed from a Python Flask web application.  <b>WCHS News</b> <i>iOS application for Catonsville High students</i> Increased student involvement in school activities by providing an on-demand look at announcements normally made over school PA system. Also provided portal allowing students to quickly view their current grades. I was the sole developer & designer.	<b>June 2014 - Aug. 2016</b>    <b>November 2017</b>   <b>Sept. 2016 - May 2017</b>
<b>Skills</b>	<b>Full Stack Development:</b> Java, Python, JavaScript / Node.js, HTML / CSS <b>Mobile Development:</b> Objective-C, Swift, Java, Kotlin <b>Database Engineering:</b> Neo4j, MongoDB, SQL	