

Nelson S. Gomez

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EDUCATION	<i>Bachelor of Science, Computer Science</i> Columbia University in the City of New York Expected May 2019
SKILLS	<i>Languages:</i> C, C++, C#, Python, Go, Bash/sh-like, TypeScript, SQL, Java, PHP <i>Platforms & Frameworks:</i> ASP.NET, Angular, LAMP, Flask, Linux kernel
EXPERIENCE	<p><i>Software Development Engineer Intern</i> May–Aug. 2018 Microsoft</p> <ul style="list-style-type: none">• Designed and developed an API for partner apps to remove or snooze items on a service that provides document recommendations on Office 365.• Implemented "Remove from list" on Office.com front-end.• Reduced memory usage of back-end application by 60%. <p><i>Explorer Intern</i> June–Aug. 2017 Microsoft</p> <ul style="list-style-type: none">• Worked with two other interns to perform competitor research and deliver a report on how to integrate web push notifications into existing products.• Designed and implemented an API for delivering secure web push notifications. <p><i>Course Assistant – Adv. Programming (COMS W3157)</i> Jan. 2017–present Columbia University in the City of New York</p> <ul style="list-style-type: none">• Introduced students to C and basic systems programming.• Sysadmin since Aug. 2017 for the Linux terminal server students work on.• Wrote hotfixes and feature improvements for grading scripts in Bash. <p><i>Course Assistant – CS/CE Lab (ENGI E1101)</i> Sep. 2016–Dec. 2017 Columbia University in the City of New York</p> <ul style="list-style-type: none">• Taught students embedded C to write calculator software from scratch. <p><i>Software Development Intern</i> Sep. 2015–Sep. 2016 Columbia College Information Technology</p> <ul style="list-style-type: none">• Developed internal tools and packages for testing and front-end layout.
PROJECTS	<p><i>autoMATic – a matrix manipulation language</i> Spring 2018 Compiled language written with OCaml and LLVM for COMS W4115.</p> <p><i>Weighted round-robin CPU scheduler</i> Fall 2017 Linux scheduler that optimizes app startup time on Android for COMS W4118.</p> <p><i>ML using C++ Concepts</i> Spring 2017 Machine learning library using the WG21 concepts draft for C++ for COMS W4995, taught by Bjarne Stroustrup.</p> <p><i>Emojipasta Generator</i> Uncommon Hacks 2017 A bot for infusing text with emojis with NLP and Facebook Messenger integration.</p>