

Damon G. Otero

843.478.5419 | damongotero@gmail.com | www.github.com/damonot | www.damonotero.tech | Charleston, SC

Objective	Seeking a full-time software engineering position in Charleston, SC.		
Education	College of Charleston '22 B.S. Computer Science GPA 3.50	2018-2022	
	Tau Sigma National Honor Society, Highly Distinguished List Fall '21		
	Trident Technical Computer Networking Apprentice Program	2016-2017	
	Academic Magnet High School GPA 3.760 #2 Nationally Ranked	2014-2018	
Technical Skills	Languages Python, Java, Javascript, Scheme, PHP, C		
	Front-End ReactJS, HTML, CSS3, Photoshop, Figma		
	Back-End Django, MySQL, SQLite, MS Access		
	Cloud Platforms AWS Amplify, AWS EC2, Google Cloud Storage		
Research & Code Experience			
IEEE: Investigating Authorship of Flawed Code in Open Source Software (2021)			
Developed software that generates “programmer profiles” based on the frequency, location in code, and severity of bugs or security vulnerabilities written by each programmer. Available at https://ieeexplore.ieee.org/document/9719946 .			
Improvement of Jazz Melody Generation in Machine Learning Programs (2018)			
Conducted a two-year research project and produced a forty page academic paper on the viability of music generation machine learning algorithms. See website for PDF.			
Blackbaud JustGiving Donation Service College of Charleston Capstone Project (2022)			
Partnered with Blackbaud to improve JustGiving such that recommended donations are tailored to users based on their hardware, location, and previous donation amount using Django and AWS EC2. Available at https://github.com/damonot/helpmore			
Work Experience			
Web Developer	College of Charleston	12/2021 - Present	
	Partnered with the CofC Grice Marine Lab to convert a proteomics database into a webapp using ReactJS and AWS Amplify.		
Database Designer	Dubose Photography	5/2021 - 10/2021	
	Designed and managed a MS Access database of 10,000 clients, including data processing, table and query design, and interface design.		
Software Researcher	College of Charleston	5/2020 - 12/2021	
	Developed the aforementioned “programmer profile” software and produced a peer-reviewed paper for IEEE.		
Java Programming Instructor	The Code Academy	4/2019 - 7/2019	
	Taught programming fundamentals weekly to classrooms of 15-20 elementary and middle school students through hands-on Java activities.		
Communication	English Native	Spanish Skilled	