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Education	The University of Tennessee Knoxville, TN	Overall GPA 3.77/4.00
	Bachelor of Science, Computer Science w/ Minor in Cybersecurity	Expected May 2021
	Bachelor of Science, Mathematics	Expected May 2021
	Master of Science, Computer Science (5 Year BS/MS Program)	Expected May 2022
Work Experience	Undergraduate Research Assistant for Neuromorphic Computing	May 2019 – Present
	<i>TENNLab – neuromorphic.eecs.utk.edu Dr. James S. Plank</i>	
	<ul style="list-style-type: none">• Designing simulations that are used for training and testing neuromorphic algorithms• Implementing shell scripts for parameter selection in training and for bug testing the framework• Documenting software for usage and future development purposes	
	Undergraduate Teaching Assistant	Aug 2019 - Present
	<i>The University of Tennessee Knoxville, TN</i>	
Projects	CS302 – Data Structures & Algorithms II	Fall 2019, Fall 2020
	CS465/565 – Databases/Scripting Languages	Spring 2020
	CS140 – Data Structures & Algorithms I	Spring 2020
	<ul style="list-style-type: none">• Holding weekly office hours to help students with labs and course concepts• Leading weekly lab sessions and providing assistance to students• Grading homework, labs, and exams in coordination with other teaching assistants	
	Co-Founder & Project Manager of Citiwrks	Mar 2019 – Aug 2020
Projects	<i>Citiwrks LLC – citiwrks.com Knoxville, TN</i>	
	<ul style="list-style-type: none">• Developed mobile app for City of Knoxville to manage their road repairs (Team size: 4)• Organized meetings with clients, lawyers, and advisors• Implemented ticket system for repairs, routing repairs, and an interactive dashboard• Achieved 30 daily users and made \$7000 in revenue• Awards: 3rd Place in Graves Business Plan Competition (\$2000); Knoxville City Hackathon 2019 civic challenge winner, best use of GCP, and fan favorite• Technology used: JavaScript, Angular, Ionic, Firebase, HTML, CSS	
	C19	July 2020
	<i>Covid-19 tracker for Tennessee Knoxville City Hackathon 2020</i>	
	<ul style="list-style-type: none">• Designed a web application for users to track Covid-19 through demographics, local news, mobility, and time.• Integrated JavaScript county map using Google Maps and OpenStreetMap APIs	
Technical Skills	PyKin	Sept 2020
	<i>Patient mobility tool VolHacks IV</i>	
	<ul style="list-style-type: none">• Engineered a Raspberry Pi hardware hack that tracks patient mobility using a gyroscope and sends data to a dashboard via Bluetooth• Integrated read and write over RFCOMM for displaying gyroscope data• Technology used: Python, Raspberry Pi, Bluetooth	
	Languages C/C++ JavaScript Python HTML/CSS Shell Scripting SQL MATLAB	
	Tools Git Visual Studio Angular GCP Linux Raspberry Pi Photoshop	
Activities	Asian American Association	Aug 2017 - Present
	<i>President (20-21), Vice President (19-20), Treasurer (18-19)</i>	
	<ul style="list-style-type: none">• Organizing cultural events such as the 865 Night Market (1000+ turnout)• Serving on UTK MSL hiring to bring in new advisors and UTK SPSF council to approve allocation of student funding for campus events• Maintaining the organization’s website and transactions/accounts	