

Justin Baum

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EDUCATION	University of South Carolina , Columbia, SC August 2017 - May 2021 <i>Bachelor's of Science</i> , Computer Science Activities: TBII, ACM, IIME, Minor in Mathematics, Cyber Security Club	GPA: 3.81 Computer Science GPA: 3.93
EXPERIENCE	Software Engineer - Part Time August 2018 - Present • Implemented RFC 8264, 8265, 8266 in bs-precis • Designed foreign function interface for external libraries on projects • Created and expanded testing frameworks for three projects • Increased responsibilities when team member left for medical issues; helped bring on new developers to project	NineFX Inc. Columbia, SC
	President April 2020 - Present • Work with executive team to continue smoothly running our chapter • Worked on moving the organization online for the pandemic	ACM Club at University of South Carolina Columbia, SC
	Treasurer April 2019 - April 2020 • Budget club operations and events	ACM Club at University of South Carolina Columbia, SC
	Supplemental Instructor - Calculus 2 January 2018 - May 2018 • Created lesson plans that built on class time • Led instruction sessions that implemented the ideals of the Student Success Center	University of South Carolina Columbia, SC
HONORS & AWARDS	2020 TBII Honors Engineering Society Initiation 2019 IIME Honors Math Society Initiation 2018-2021 ACM Codeathon Problem Writer 2019 ACM Intercollegiate Programming Competition Regional Charleston 2 nd Place 2018 ACM Intercollegiate Programming Competition Regional Charleston 2 nd Place 2017 ACM Intercollegiate Programming Competition Regional Charleston 3 rd Place • Competed with the same team all 3 years: Hunter Damron, Joshua Nelson	2019-2021 Lead Organizer
PROJECTS	bs-precis June 2019 - September 2019 • Developed an open source implementation of the precis unicode normalization(RFC8264, RFC8265, RFC8266) in OCaml/ReasonML • Led work on the project	NineFX Inc. Columbia, SC
	C- Interpreter January 2020 - May 2020 • Use class techniques to implement an interpreter for a subset of C in Haskell	University of South Carolina Columbia, SC
SKILLS	Languages and Tools: Python, C/C++, Haskell, OCaml, git, continuous integration, Docker, shell, Javascript	
INTERESTS	• Graph Theory • Compilers • Elliptic Curves and Lattices • Basketball	