

Justin Baum

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- EDUCATION** **University of South Carolina**, Columbia, SC
Bachelor's of Science, Computer Science and Mathematics, May 2021 GPA: 3.79
Mathematics GPA: 3.82 Computer Science GPA: 3.84
- EXPERIENCE** **Treasurer** ACM Club at University of South Carolina
April 2019 - Present Columbia, SC
- Budget club operations and events.
 - Collaborate with exec team to keep ACM in operation.
- Software Engineer Intern** NineFX Inc.
August 2018 - Present Columbia, SC
- Make contributions to both open source and private projects.
 - Work with a team of developers on various projects utilizing git, continuous integration.
 - Specialize in backend Ocaml/ReasonML development.
- Computer Science Instructor** Pen Education
May 2018 - August 2018 Old Tappan, NJ
- Created and led lesson plans for a few students to learn Computer Science.
 - Curriculum taught the ins and outs of Java and Python, as well as some talk about P vs. NP and security.
- Supplemental Instructor - Calculus 2** University of South Carolina
January 2018 - May 2018 Columbia, SC
- Communicated with professors to build lesson plans that built on class time.
- HONORS & AWARDS**
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| 2019 USC ACM Spring Codeathon: 240 Level | 1 st Place |
| 2019 USC ACM Spring Codeathon Problem Writer | Queen's Board $O(n^4)$ |
| 2019 USC ACM Spring Codeathon: 350 Level | 4 th Place |
| 2018 ACM Intercollegiate Programming Challenge Regional Charleston | 2 nd Place |
| 2018 USC ACM Fall Codeathon: 240 Level | 2 nd Place |
| 2017 ACM Intercollegiate Programming Challenge Regional Charleston | 3 rd Place |
| 2017 USC ACM Fall Codeathon: 146 Level | 1 st Place |
- PROJECTS**
- bs-precis** NineFX Inc.
June 2019 - Present Columbia, SC
- An open source implementation of precis in Ocaml/ReasonML.
 - Led development on the project. —
- Turing Machines**
20 October 2018 - 24 October 2018
- Created a library in Erlang that could run extensible turing machines and other finite state automata.
- SKILLS** **Languages and Tools:** Ocaml, Java, Erlang, Python, \LaTeX , C, C++, Assembly(MIPS/ARM), CircleCI, Docker.
- INTERESTS** • Graph Theory • Type Theory • Compilers • Operating Systems