

Stephen Frombach

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Objective	Seeking an internship in the field of programming for the Spring of 2020 to gain experience at a professional level.	
Education	Rensselaer Polytechnic Institute, Troy, NY BS: Computer Science BS: Gaming Simulation Arts and Sciences GPA: 3.73	Graduation Date: May 2021
Relevant Coursework	Operating Systems <ul style="list-style-type: none">• Learned different aspects of operating system design and implementation• Focused on learning the theory of and practicing the implementation for concurrent process, virtual memory management, interprocess communication, and client-server communication using C Computer Organization <ul style="list-style-type: none">• Learned low-level programming and its use in computer organization and operating systems• Focused on important aspects of computer organization, such as learning to use assembly language (MIPS), managing memory at a low level, and learning the theory behind digital logic• Implemented all of the theory learned in C Introduction to Algorithms <ul style="list-style-type: none">• Learned the theory behind different important algorithms and how and why these algorithms are applied to programming issues at all levels of programming• Learned and practiced using algorithms such as greedy algorithms, searching/graph algorithms, divide and conquer algorithms, dynamic programming, and linear programming, as well as how NPC complete problems can be handled using these algorithms Data Structures <ul style="list-style-type: none">• Learned programming with fundamental data structures through several projects in C++• Learned the theory behind important fundamental data structures, how to create these structures, and how/when to implement them.	Summer 2019 Spring 2019 Spring 2018 Spring 2017
Relevant Skills	Building knowledge of: <ul style="list-style-type: none">• Languages: C++, C#, Javascript, Python, Java• MIPS (Assembly)• Git, Github	
Activities and Leadership Positions	Interfraternity Council (IFC) <ul style="list-style-type: none">• Worked as a delegate representing a fraternity within the IFC, voting on and debating important issues in Greek life• Worked within the Bylaws subcommittee, drafting, establishing, and revising the bylaws of the IFC Lambda Chapter of the Delta Phi Fraternity <ul style="list-style-type: none">• Served as Treasurer of the chapter, creating, enforcing, and managing the budget as well as organizing some events that fell under the duties of treasurer• Served as a member of the chapter's executive board	2017-2019 2017-2019
Work Experience	The Lakshmi Research Group at Rensselaer - Junior Systems Manager <ul style="list-style-type: none">• Managed the computer systems (website and server) of a biochemical laboratory run by Dr. K.V. Lakshmi• Involved backing up test and research data, updating the research group's website, and keeping the computers in the laboratory running properly Lowe's Home Improvement <ul style="list-style-type: none">• Worked on store maintenance and customer assistance• 40 hours per week for approximately 9 weeks	2019 Summer 2018
Awards	Dean's Honor List (Rensselaer Polytechnic Institute) National Merit Finalist AP Scholar with Distinction Rensselaer Medal for Mathematics and Science	2018 2017 2017 2017

