

## EDUCATION

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<b>Stonehill College</b>	<b>Easton, MA</b>	<b>Fall 2013 - May 2017</b>
<ul style="list-style-type: none"><li>• B.S. in Computer Science, May 2017, <b>GPA: 3.0</b></li><li>• <b>Relevant Coursework:</b> Operating Systems, Computer Networking, Computer Architecture, Database Management Systems, Programming Languages, Algorithms, Software Engineering Capstone</li></ul>		

## TECHNICAL SKILLS

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**Languages:** C, C++, Python, Java, HTML, CSS, SQL  
**Technology:** Unix (macOS, Linux), Vim, Git, Jekyll, GNU-Debugger (gdb), Valgrind, AWS (EC2, S3, RDS)

## TECHNICAL PROJECTS

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<b>Refuge</b>	<b>Python, MySQL, Java, Swift, Flask</b>
<b><i>A mobile application for an NGO, Women Refugee Route (WRR), that provides aid to women refugees in Europe</i></b>	
<ul style="list-style-type: none"><li>• Worked as a member of the backend team on a capstone project of 15 people using Scrum and agile practices like TDD and pair programming</li><li>• Created a REST API that acted as an interface between the iOS and Android applications to the MySQL database, hosted on an EC2 instance</li><li>• Designed a data model using ER modeling and wrote SQL to implement the model in a MySQL database</li><li>• Developed a data access layer with the backend team on both the iOS and Android platform for the app developers to access the REST API</li></ul>	
<b>pshare</b>	<b>Python</b>
<b><i>A python command-line interface (CLI) for social media sharing</i></b>	
<ul style="list-style-type: none"><li>• Collaborated with a partner in creating a full-fledged CLI using argparse, implementing the ability to read, post, or delete from a user's Facebook or Twitter</li><li>• Worked with API wrappers tweepy and facepy to allow for simple, expressive single-line commands without having to directly interface with the API themselves</li></ul>	
<b>pyrd</b>	<b>Python, BeautifulSoup</b>
<b><i>A multi-threaded python-reddit (pyrd) web scraping search tool</i></b>	
<ul style="list-style-type: none"><li>• Implemented ability to search multiple subreddits for posts given a list of keywords</li><li>• Scraped each subreddit (n pages deep) using BeautifulSoup, extracted the data from the HTML to create custom Post objects to display to the terminal</li></ul>	
<b>simple-ftp</b>	<b>C++</b>
<b><i>A simple file-transfer protocol implementation in C++</i></b>	
<ul style="list-style-type: none"><li>• Designed a custom network protocol to implement file-transfer commands such as get, put, etc.</li><li>• Developed a client and server that connected via a socket connection using the TCP protocol, and communicated via the above custom protocol for the actual transfer of bytes</li></ul>	
<b>pasCal</b>	<b>C</b>
<b><i>An implementation of a subset of the Pascal programming language in C</i></b>	
<ul style="list-style-type: none"><li>• Simulated computation through a non-deterministic finite automaton (NFA) using an array of its transition table to accomplish lexical analysis; produces a stream of tokens represented by C structs</li><li>• Built a recursive descent parser to perform syntax and semantic analysis from Pascal's context-free grammar (CFG) by using one function per non-terminal symbol; creates an abstract syntax tree through function calls</li></ul>	