

Tyler Roesler
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OBJECTIVE: To obtain an internship position in the design, development, and testing of computer software. Available from the end of May through late August, 2017.

EDUCATION: **State University of New York at Fredonia** **Fredonia, NY**
Bachelor of Science in Computer Science **Expected Fall 2017**
In Major GPA: 3.74
Overall GPA: 3.43

Jamestown Community College **Jamestown, NY**
Associates in Fine Arts: Music **Transferred August 2014**
GPA: 3.97

PROJECTS:

- Team leader for BookOrder, a Rails based web application to aid teachers in ordering books for the following school year (view the progress on Github!).
- Individually developed a Huffman Encoding compression program in C++ using hierarchical trees, bit manipulation, and file I/O
- Individually developed a maze-solving program in Python that given an text file input of a "maze" finds and marks in the file the path to the 'X' in the maze using a stack data structure
- Individually implemented many Data Structures including Linked Lists (C++) and Mergesort, a Binary Search Tree (Java), and a Heap data structure including the Quicksort and Heapsort sorting algorithms (Ruby).
- Individually developed a mock student database system for a school, focusing on classes and object oriented programming, pointers and dynamic memory allocation, and the linked list data structure

COURSEWORK:

In Progress: Relational and Object Databases, Paradigms of Programming Languages, Digital Image Processing and Machine Vision, Discrete Mathematics for Computer Science II

Complete: Data Structures, Systems Programming, Mobile Aesthetic Design, Discrete Mathematics for Computer Science I, Computer Security and Ethics, Problem Solving Using Objects Survey of Calculus I and II, Computer Science I and II, Web Programming I and II

SKILLS: Programming Languages: C++, Ruby, Java, Python, C#, Octave (MATLAB)

Web Technologies: HTML5, CSS/SCSS, JavaScript/JQuery, Rails, PHP, MySQL

Operating Systems: Unix/Linux (current development environment), MS Windows, Mac OS

Development Technologies: Git/Github, JetBrains IDEs, Microsoft Visual Studio, Vim/Nano, Bash/C Shell, Apache Web Server, Oracle VM VirtualBox, Microsoft Office Suite, Adobe Photoshop, Adobe InDesign

Other: Professional written and oral communication skills, strong mathematical and problem solving abilities, ability to respond quickly to and manage change, adaptive team-player, excited to learn and use new technologies

EXPERIENCE: **The Stockton Hotel - Stockton, NY**
Head Server, August 2016-Present

- Developed the ability to think quickly on my feet and delegate duties and responsibilities to subordinates in order to ensure a successful restaurant experience
- Provide excellent customer service
- Aid in managerial decisions based on previous experience in the Restaurant field

Athenaeum Hotel - Chautauqua Institution, NY

Seasonal Dining Room Server, May 2016 - August 2016

- Developed multitasking and communication skills in a fast-paced environment in order to provide world-class dining experiences.
- Held myself and the restaurant at the highest dining standards of a 5 star restaurant
- Assisted in general flow of operations within the restaurant.

ACTIVITIES: **Computer Science Club - SUNY Fredonia**
President, Spring 2017

- Make executive decisions and hold all responsibilities for the Computer Science Club
- Establish the club as a learning resource for students through facilitation of student and faculty based talks and other activities to engage students in computer science as a discipline

ACM Competitive Coding Competitions

Team Member, Spring 2017

- Use computer science and mathematics principles to efficiently and creatively solve logical problems
- Practice problem solving under significant pressures as well as working and collaborating in a team based environment. Practice problems and solutions available from my Github account.

AWARDS:

- Dean's List, State University of New York at Fredonia, 2015-2017
- Phi Theta Kappa Induction, Spring 2014
- Chautauqua Region Community Foundation Scholarships, 2013

SOCIAL:

- LinkedIn: [linkedin.com/in/tylerroesler](https://www.linkedin.com/in/tylerroesler)
- Github: github.com/Troesler95

REFERENCES: Available upon request.