Thomas Edward Ragucci

www.thomasedw.com

EDUCATION

Williams College, Williamstown, MA
Bachelor of Arts, Computer Science & Economics, May 2019; GPA: 3.58/4.00
    Computer Science, relevant courses: Data Structures and Advanced Programming, Principles of
          Programming Languages, Discrete Math, Computer Organization, Algorithm Design & Analysis,
          Operating Systems, Distributed Systems, Introduction to Computer Security
    Economics, relevant courses: Principles of Microeconomics, Principles of Macroeconomics, Price &
          Allocation Theory, Multivariable Calculus, Macroeconomics, Statistics & Data Analysis, Econometrics
SAT Reading: 800, Math: 720, SAT Math II: 780

SKILLS

Programming/Software: Proficient in Java, and Python. Experience with other programming languages
including C++, C, and R. Adept at using macOS, Windows, and Linux systems
Photography/Videography: Experience with the Adobe Creative Cloud Suite (specifically Photoshop,
Lightroom, and After Effects) and the Apple Final Cut Suite (Final Cut Pro and Motion)

RELATED EXPERIENCE

Williams College / Computer Science Teaching Assistant   JANUARY 2017 - PRESENT, Williamstown, MA
- Responsible for running 5 hours of TA sessions per week to assist students with labs and coursework
- Spring 2017 semester: CSCI 136, Data Structures and Advanced Programming
- Fall 2017 semester: CSCI 237, Computer Organization

Williams Students Online / Board Member   SEPTEMBER 2016 – PRESENT, Williamstown, MA
- Make decisions about the future of WSO and the projects the organization should pursue
- Part of a team that designs and implements computer-based services allowing students to query information about classes, other students, dorms, and faculty
- Currently developing an online student organization portal
- Website built with the Ruby on Rails web application framework

Kroll Inc. / Information Technology & Security Intern   SUMMER 2017, Washington D.C.
- Contributed to technical documentation by taking part in policy, procedure, and standards development
- Performed research and evaluation of products and solutions in order to assist in the selection and acquisition of new equipment, infrastructure, and software
- Leveraged Cb Response and Cb Defense software to identity, analyze, and respond to security threats

Williams College / Network Technician   MARCH 2016 – DECEMBER 2016, Williamstown, MA
- Installed and maintained Williams College's campus-wide networking infrastructure
- Configured and deployed networking equipment from various vendors, including Cisco and Ubiquity
- Used software such as Cisco Prime Infrastructure to manage and optimize the college's wireless network
- Worked with faculty and students to troubleshoot and resolve issues

PROJECTS

Personal Website: Online resume, with links to projects and personal information, as well as a dynamic contact form. Originally used static HTML/CSS, and a simple PHP script. Recently refactored to use the Django web framework. (Python)
Movie Watchlist: Online list of movies that I want to watch / have watched. Data is stored in a PostgreSQL database, and information for each movie is acquired through various APIs and web scraping. (Django web app, Python)
Seam Carving Implementation: A 'liquid rescaling' app developed with a classmate in Python using the seam carving algorithm with a dynamic programming approach. Currently working on optimizing our implementation by removing redundant computations in the DP table, and converting it to operate online as a web app. (Python)