

Anthony Palumbo

Student Software Engineer

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🌐 anthonyjpalumbo.net

in [AnthonyJPalumbo](#)

🔗 [APalumbo97](#)

Education

Rochester Institute of Technology

B.S. Software Engineering 2020

GPA: 3.710

Year Level: Sophomore

Relevant Courses: Computer Science 1 & 2, Calculus 1 & 2, University Physics 1 & 2, Discrete Mathematics for Computing, Personal Software Engineering, Introduction to Software Engineering, Computer Science Theory, Communications

Employment

RIT Department of Computer Science · Student Lab Instructor for Computer Science 1

Rochester, NY

Aug 2016 to Dec 2016

Responsibilities include assisting with weekly lab assignments that develop introductory programming skills, assisting with exam practicals, and grading labs, exam practicals, and projects.

Projects

Lasers GUI

This partner project was done for a Computer Science class in Java with two stages. The first part of the project consisted of making a model representation for the game and a plain-text-user-interface to show how the game could be played. The second part of the project included making a GUI for the game using JavaFX and implementing a back tracker to help complete the game automatically. The project was completed using the model, view, controller pattern and could be used with either the PTUI or GUI based on the program arguments. My partner and myself collaborated code by using the version control system git.

HealthNet

Web application using Django and Python for a hospital system that patients and employees can use for a Software Engineering class. Patients can go to the website and create an account, send messages to employees, view medical records, create appointments, view the appointments on a calendar, and much more. This project was completed in a group of four using SVN to collaborate code using Django version 1.9 and Python 3.4.3.

Eight Queens Backtracker: <http://github.com/APalumbo97/Queens-Backtracker>

This is a personal project completed using Java to solve the 'n' queens problem of putting eight queens on a chess board such that none of them are in danger of being attacked by another queen. The program can operate with both a plain-text-user-interface and a graphical-user-interface using JavaFX. When run with an input text file, the program searches for a possible solution using backtracking and either tells the user that there is no solution for the current configuration, or finds a solution and displays it.

Personal Website: <http://anthonyjpalumbo.net>

I created my personal website from scratch without using a website builder or any bootstrap. It is a static website created with basic HTML, CSS, and Javascript, hosted using GitHub pages and a Google domain I purchased. The website features a mobile design with a navigation bar that collapses and features many of my projects, both for college classes and personal projects.

Skills

LANGUAGES USED: Java, Python, Ruby, HTML, SQLite, C, CSS

DEVELOPMENT SKILLS: Object-oriented design, UML, Databases, JavaFX, Model-View-Controller Pattern, Django

IDES/TEXT EDITORS USED: Eclipse, IntelliJ, PyCharm, Sublime, Notepad++, Atom

VERSION CONTROL SYSTEMS: Git, GitHub, Tortoise SVN

Awards

Boy Scouts of America · Eagle Rank

Developed a service project from initial design through completion, received various merit badges required for becoming an Eagle Scout from Hiking to Computers, served as Patrol Leader for Troop 203. The Eagle Rank is the highest rank in scouting and must be achieved before the scout's 18th birthday. Only about 5% of boy scouts ever achieve the rank of Eagle.

Dean's List

Fall 2015 and Spring 2016, received for obtaining a GPA greater than or equal to 3.400 and no grades of "D" or "F"