

EDUCATION	Rochester Institute of Technology Bachelor of Science in Computer Science, May 2021 GPA: 3.4
TECH	Proficient in Python, Java, C, SQL, JetBrains IDEs, Microsoft Office Suite, Windows, Mac OSX, and Linux. Experience in C#, C++, Lua, Javascript, HTML, CSS, MongoDB, Neo4J, Git, Visual Studio, and Unity3D.
EXPERIENCE	<p><i>RIT Computer Science Student Lab Instructor, Rochester NY</i> Jan-May 2018 Helped students understand core concepts of CSII. Responsible for writing scripts to grade labs, conducting office hours for students with questions, and helping students with in-lab exercises.</p> <p><i>Psychological Counseling Services, Bethlehem PA</i> May 2016-October 2017 Performed duties of a technical assistant in developing social media automation software, implementing security features, maintaining site content, and search engine optimization.</p>
PROJECTS	<p><i>Meade LX-200 Automation Software, RIT SPEX</i> Designed and wrote software in Python for automation of Meade LX-200 telescope. Server device connects and sends commands, that are dictated by the client, to telescope via serial port over wireless network. Features movement with joystick and tracking of low earth orbit satellites with two line elements.</p> <p><i>Star Viewer, RIT SPEX</i> Designed and wrote software in C# and Unity to create a star field from data contained in the HYG Database. It parses the data from a csv to get the cartesian coordinates for general location and b-v value for color. Then it is plotted on a 3-D coordinate system and viewable with mouse and keyboard. The star field can also be flown around with a Joystick.</p> <p><i>C language FRED Interpreter, SCHOOL PROJECT</i> Designed an interpreter for a BASIC like programming language. Work included tokenizing language keywords, evaluating mathematical expressions in infix form, creating a custom stack, and creating a custom heap. Language features include variables, loops, and conditionals.</p> <p><i>Sudoku Solver, PERSONAL PROJECT</i> Designed and wrote software in Python for a console application that solves any 9x9 Sudoku puzzle with recursive backtracking.</p>
ACTIVITIES	<p><i>RIT Space Exploration(RIT SPEX)</i> Treasurer</p> <ul style="list-style-type: none">• Responsible for managing funds of RIT SPEX.• Conducted research on various crowdfunding techniques. <p>Communication Sub-System Team Leader</p> <ul style="list-style-type: none">• Responsible for leading a team in the design of a communications sub-system for a small cube satellite.• Gathered weather images from NOAA satellites in which antennas were designed and implemented. Wrote software for automation of process. <p>\$50 Satellite Team Leader</p> <ul style="list-style-type: none">• Leading a team that is currently designing and constructing a version of a small satellite based on design from the \$50SAT - Eagle2 project.
COURSEWORK	• Introduction to Software Engineering • Mechanics of Programming • Intro to Computer Science Theory • Principles of Data Management • Programming Language Concepts • Computer Science II • Discrete Math for Computing • Probability and Statistics I • Linear Algebra • Calculus II • Business Communications