



# Austin W. Miller

🎂 1992

📍 Brandon, FL, USA

🎓 Titles: B.S. Physics

🗣 Languages: English (Native)  
Spanish (Basic)

📞 +1 (941) 545-5082

✉️ austinwaille@gmail.com

✉️ Personal Website & Socials

🏠 [AustinMiller.net](http://AustinMiller.net)

⌚ [github.com/austinwaille](https://github.com/austinwaille)

## CURRENT PROJECTS

2024	<b>Custom PC Building Website</b> WEB DEVELOPMENT & E-COMMERCE · Online	
	Designed and built a platform for custom PC orders. Developed using HTML, CSS, and Git, with a focus on clear user policies and streamlined ordering.	

2022	<b>Minecraft Server Setup</b> SYSTEM ADMINISTRATION & NETWORKING · Home Lab	
	Currently running a VirtualBox Ubuntu Server on an old Macbook to host a multiplayer Minecraft server. Configured DNS, TCP/IP, and port settings to optimize performance and scalability.	

2020	<b>Emergency Preparedness Guide</b> RESEARCH & TECHNICAL WRITING · Remote	
	Authoring a comprehensive preparedness guide. Using L <sup>A</sup> T <sub>E</sub> X for professional formatting and including region-specific planning strategies for family.	

## EDUCATION

Fall 2022	<b>Space Systems Engineering</b> M.S. (INCOMPLETE) · Johns Hopkins University	
	Learned from APL professors during one semester of expensive courses before pivoting.	
2020	<b>Physics</b> B.S. · University of South Florida	
	A rigorous study of physical and mathematical laws; minors in Astronomy and Chemistry.	
2017	<b>General Studies</b> A.A. · State College of Florida	
	Completed foundational coursework and transferred degree.	
2011–2013	<b>Pre-Engineering</b> · Santa Fe College	
	Moved away; took classes; moved home.	

## Achievements:

- Maintained a 3.47 GPA across 105 credits of advanced coursework (2015–2020).
- Earned Dean's List honors at Santa Fe College.

## CURRENT EMPLOYMENT

2023–Present

### Nips' Solutions

HEAD · Remote

Providing custom PC builds, troubleshooting, networking solutions, and electronics repair.

2020–Present

### Mellow Mushroom

WAITER · Brandon, FL



Very homely pizza restaurant. We know most of our customers by name, and I handle whatever they need (usually just pizza and beer)

## ▷ PROGRAMMING

I have a strong foundation in Python and web development, with experience in a variety of tools and technologies. My work spans scripting, database management, frontend frameworks, and experiments with machine learning, reflecting a versatile skill set and commitment to expanding knowledge.

- Python Development:** Proficient in Python programming, with experience in data processing, analysis, and backend scripting. Familiarity with AI/ML libraries such as scikit-learn, TensorFlow, and PyTorch.
- Data Analysis & Visualization:** Skilled in data analysis using Python libraries (pandas, numpy, matplotlib), with basic SQL for queries. Proficient in Excel for data management and visualization. Some familiarity with MATLAB and CAD software.
- Programming Tools:** Experienced with VSCode, Sublime Text, Spyder, and Jupyter Notebooks for debugging, scripting, and creating interactive data presentations.
- Foundational Machine Learning Knowledge:** Familiar with ML concepts and applications for data-driven problem-solving. Have future plans for this
- Cross-Functional Collaboration:** Skilled in working with diverse teams to align on development goals and resolve technical issues efficiently.

## 🔧 TECHNICAL TOOLS

- Version Control & Remote Work:** Proficient in Git for version control and project tracking, with experience in collaborative environments using tools like Microsoft Teams and Zoom. Some exposure to ticketing systems, but not much.
- Command-Line Expertise:** Proficient in Windows, macOS, and Linux command-line tools for file management, scripting, and system troubleshooting.

# PROFESSIONAL DEVELOPMENT

<b>Fall 2024</b>	Experiments with YouTube and short-form video content	Self-guided
<b>2024</b>	Extensive AI Tools Practice (ChatGPT, Sora, Canva, and more)	Self/AI-guided
<b>2021-2022</b>	AWS Cloud Practitioner Essentials	Amazon Web Services
<b>2021-2022</b>	IBM Data Science Professional Courses	IBM (Coursera)
<b>2018</b>	CS50	Harvard University (edX)
<b>Summer 2017</b>	HTML5 & CSS	W3C (edX)

## SOME RELEVANT COURSEWORK

- Physics and Astronomy:** Statistical Mechanics, Quantum Mechanics I and II, Electricity and Magnetism I and II, Stellar Astrophysics, Galaxies and Cosmology, Advanced Lab
- Chemistry:** Organic Chemistry I and II, Intermediate Inorganic Chemistry, Elementary Analytical Chemistry, Excessive amount of lab work
- Mathematics and Data:** Mathematical Methods in Physics, Calculus I/II/III
- Engineering:** Systems Engineering for Space, Electro-Optical Space Systems (Johns Hopkins)

- Software Proficiency:** Skilled in Python, Excel, AWS, Unix systems, and web development. Strong documentation skills using other Office365 tools, L<sup>A</sup>T<sub>E</sub>X.
- Hardware Troubleshooting:** 10+ years of experience repairing electronics (game consoles, computers, smartphones), using tools like multimeters and soldering irons.

## EXTRACURRICULARS

<b>2020-Present</b>	Filipino Martial Arts & Wing Chun student.
<b>2018-2020</b>	Member of Astronomy Club at USF.
<b>2018-2020</b>	Member of Society of Physics Students at USF.
<b>2014-2017</b>	Member of American Chemical Society at State College of Florida.
<b>2016</b>	Volunteer at Satchel's Last Resort Animal Shelter.
<b>2007-2011</b>	Science Olympiad and Skills USA State Competitor.

## SOFT SKILLS

<b>Teamwork</b>	Collaborated with diverse teams in customer service roles and technical projects, ensuring effective communication and achieving common goals.
<b>Work Ethic</b>	Showed strong performance in a variety of difficult academic fields while working full time at two jobs. Demonstrably stress-tolerant and can manage my time.
<b>Customer Service</b>	Exceptional interpersonal skills developed through 15 years of experience, evidenced by consistent promotion to team leadership roles.
<b>Problem-Solving</b>	Applied creative and analytical problem-solving skills in freelance tech support and troubleshooting tasks.
<b>Adaptability</b>	Thrived in fast-paced environments, learning new technologies and processes quickly to meet job and project requirements.

## ⌚ TIMELINE

