

## Micah Banschick

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Engineer with a background working effectively in research labs and environments. Experienced in the Python, Matlab, and Latex programming languages to record, analyze, and model results effectively. Possess strong skills in team-building and project management that help businesses develop quality products and drive up profits. Focused on achieving project objectives with reliability and precision.

### Experience

**Air Force Research Laboratory - Secret Level Security Clearance** Kirtland Air Force Base, NM  
**AFRL Scholar** May 2024 – August 2024

- Experimentally gathered optical emissions of  $N_2^+ + N_2$  collisions for  $N_2^+(B-X)$  and  $N_2^+(A-X)$  between  $16 \frac{eV}{q}$  and  $600 \frac{eV}{q}$  kinetic energies using a 13.86 MHz radio frequency ion source.
- Analyzed vibrational and rotational transitions through the generation of basis functions calculated in Diatomic, with subsequent simulation of the data accomplished with IgorPro.

**Synchrony Financial** Stamford, CT  
**Java API Engineer** May 2023 – November 2023

- Encoded and debugged files from the team assigned to API preferences and notifications for the Monster corporation.
- Contributed to completing all assignments on the team's Jira storyboard according to bi-weekly sprints.
- Organized weekly community events for the Stamford DTC interns.

**CyberPR Army** Remote  
**Software Engineer** May 2021 – Present

- Designs website structure and style for various pages through an extensive knowledge of CSS.
- Updates information with new data on old website pages with WordPress tools.
- Explores avenues and examples across the internet to best approach and design new projects.

### Education

**University of Connecticut** Storrs, CT  
B .Sc. in Physics and Mathematics (Honors). Graduation Date: May 2027  
Thesis: [To be determined] - *Advisor: Prof. Peter Schweitzer*

### Leadership & Activities

**Meetup** Stamford, CT  
**Organizer** Sep 2021 – Present

- Created 3 social groups through the Meetup app for Board Games, Anime/Manga, and D&D.
- Gathered ~ 500 members across the 3 groups during the Covid-19 pandemic.
- Leads weekly events for people to meet each other and create a community.

### Skills & Interests

**Engineering:** Aerospace, Electrical, Mechanical, Software, Financial

**Technical:** Python, Mathematica, Matlab, LaTeX, Javascript, Java, Ruby, React, Redux, AI, Cryptotechnology

**Interests:** Guitar, Piano, Choir, Theater, Dungeons and Dragons, Board Games, Anime/Manga