

# Braden C. Fleming

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## Education

York College of Pennsylvania, York, Pa  
Bachelors of Science: Computer Science  
Minor: Mathematics

GPA: 3.60  
Expected graduation: December 2023

## Technology Summary

**Programming Languages:** Python, Java, MatLab, SQL, HTML, CSS, & C#

**Design & IDE Tools:** Visual Studio Code, IntelliJ, CLion, Eclipse, GitHub, & Brackets

**Systems:** Windows & Linux

**Coursework:** Calculus III, Software Engineering, Data Structures, Networking, Algorithms, & Capstone II

## Related Projects

Capstone II | Spring 2023 - Present

- Facilitate the development and installation of a radio telescope
- Learn and develop around an extensive codebase
- Integrate with a team of developers to front-run development in 6 months

Independent Project | Summer 2022 - Present

- Develop a Minecraft mod in Java with a small team of university students
- Learn and analyze others' code to ensure standards are met
- Interface with a large, constantly adapting project and develop around multiple APIs
- Use GitHub to develop alongside others and track issues/features

Software Design | Spring 2022

- Designed and implemented a webpage to play blackjack and UNO online with other developers
- Learned many new skills and advanced knowledge in multiple languages: Java, HTML, CSS, JavaScript, & SQL

Software Design | Spring 2022

- Developed an algorithm in Python to convert images into Minecraft Block images
- Used multiple different color theories to create the best possible image

## Related Work Experience

Computer Science Instructor | Coding4Youth | Summer 2022 - Present

- Simplify difficult concepts and tasks in order to teach future generations about computer science topics including coding and development
- Utilize and learn many different languages and programs including Lua & Brackets
- Expand knowledge of other languages such as HTML & CSS

Computer Science Intern | Johns Hopkins University. Applied Physics Laboratory | Fall 2019 - Spring 2020

- Worked individually to design and develop an advanced ballistics simulation in MatLab capable of being implemented into a larger simulation
- Presented project to a team of senior-level software engineers

## Additional Work Experience

Security Supervisor | York College - Campus Safety Department | Summer 2020 - Present

- Respond to medical emergencies, fire alarms, and physical altercations
- Perform routine patrols and resolve situations
- Oversee and train multiple groups of employees including bike, tourniquet, driving, and online certification

Professional Comedy Entertainer | Various Locations | Fall 2019 - Present

- Professionally unicycle in parades and similar events
- Recently appeared on the *Last Week Tonight with John Oliver* show - season 9 finale

## Extracurriculars

YCP Hackathon | York College of PA | Fall 2022

- Participated in York Colleges' annual hackathon to develop technical skills and interact with other hackers
- Constructed a network resolution algorithm to play the game *Clue* perfectly with a team of developers

Changemakers | York College of PA | Fall 2020 - Present

- Participate in the Changemakers community by engaging in a team service project
- Attend Spartan Serve days to volunteer at a non-profit, community-oriented organization