

# Carson McManus

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## OBJECTIVE

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To secure a challenging summer internship with opportunities in the field of Software Engineering

## EDUCATION

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**Stevens Institute of Technology** | Hoboken, NJ  
Bachelor of Engineering in Software Engineering  
GPA: 3.06

Expected May 2022

**Simon G. Atkins Science and Technology High School** | Winston-Salem, NC  
GPA: 3.9

June 2018

**Awards:** National Society of High School Scholars, North Carolina Academic Scholar, Graduated summa cum laude

## SKILLS

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**9 years** of **self-taught** Software Development experience

**Software:** git (Advanced), Linux (Advanced), Visual Studio (Advanced), VSCode (Advanced), MS Office: Word, Excel, PowerPoint

**Programming:** C# (Expert), Python (Advanced), C++ (Familiar with), HTML/CSS (Intermediate), Javascript (Intermediate)

## PROJECTS

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Crystal

- Virtual assistant made in Python similar to Alexa or Siri, with ultimate goal of running completely offline
- Live Streaming Service
- Live streaming service in Ruby on Rails, and deployed to my server with nginx and an rtmp server
  - Users can stream to the server, and users can browse and watch streams via a website

Argo

- Saves the police time when investigating Facebook profiles by displaying the data in a user friendly way
- Written in 24 hours using Python and flask
- Won "High Impact" in IBM BlueHack Against Human Trafficking

deep-wallpaper

- Written in Python during my senior year of high school for my Advanced Studies class
- Attempted to generate high resolution photos using a GAN, objective similar to NVIDIA's face generator
- Learned about important machine learning concepts like convolution, model architecture, and implementation into a production environment

Misc. Open Source Contributions

- Maintain some open source projects, like steamguard-cli
- Contribute to large projects, like Visual Studio Code

## LEADERSHIP EXPERIENCE

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**CyberPatriot Team, Simon G. Atkins High School** | Winston-Salem, NC

Mentor/Managed Self-Hosted git Repo.

- Taught younger students about how to use and secure Ubuntu against cyber attacks
- Managed a self-hosted git repo with scripts and tools to help in competitions
- Awarded as Linux Expert for 3 years

## ACTIVITIES

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Stevens Software Engineering Club, Stevens Software Engineering Wiki Committee, Stevens Game Design Club  
U.S. Citizen