

# Cooper Garren

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## EDUCATION

### Stevens Institute of Technology | Hoboken, NJ

Bachelor of Engineering in Computer Engineering

Aug '18 – May '23

**GPA:** 3.7/4.0 | **Awards:** Edwin A. Stevens Scholarship, Dean's List

**Coursework:** Data Structures and Algorithms, Microprocessor Systems, Intro to AI, Discrete Math, Circuits and Systems, Digital System Design, Image Processing and Coding, Information Systems Engineering

## SKILLS

**Technologies:** AWS, GCP, Git, Docker, Postman, REST, Flask, React, Gatsby, Bootstrap, GitHub Pages, Tailwind CSS

**Programming Languages:** Python, JavaScript, Shell Script, C++, Java, Salesforce Apex

**Certifications:** AWS Certified Cloud Practitioner, Microsoft Word 2016

## WORK EXPERIENCE

### Vimeo | Security Intern

Jun '22 – Aug '22

- Built a network perimeter scanner using Python, GCP, and AWS to inspect over 6000 IP addresses and hosts daily, leading to the discovery of over 100 previously unknown vulnerabilities
- Developed key performance indicators and metrics to quantify risk for Vimeo's cloud security posture using Prisma Cloud, driving easier security-related decision making for company leadership

### Neuraflash | Software Engineering Intern

May '21 – Dec '21

- Worked on client projects for E\*TRADE, Shutterfly, Dunkin Donuts, and Motorola to build Salesforce Einstein Bots, each of which handles over 10,000 chats per day and on average, reduces support staff workload by 40%
- Created an internal website using JavaScript, Bootstrap, and Python which allows users to migrate assets between Amazon Connect instances, automating up to 10 hours of manual work per week

### McKinsey & Company | Software Engineering Intern

Sep '20 – Jan '21

- Engineered a cloud data asset using Python, AWS Lambda, AWS API Gateway, AWS ECS and Docker, streamlining data masking, validation, and redaction in several departments
- Cooperated with an agile team of people across the world to rapidly prototype Python scripts for each of the main features of the tool, helping the team arrive quickly at a minimum viable product

### Member's Exchange (MEMX) | Software Engineering Intern

Jan '20 – May '20 & Jan '22 – May '22

- Made Splunk dashboards, Ansible playbooks and Python load balancing code in cooperation with Technical Operations, leading to easier monitoring of exchange assets and efficient server workload distribution
- Architected parts of the exchange's post-trade clearing system structure, including interfaces with third party vendor APIs and communication with other parts of the exchange

## PROJECTS

### Song Colosseum | Personal Project

Jul '22

- Created a website that allows users to fill out a song bracket for any artist they choose (march madness style) using React, Gatsby, Tailwind CSS, GitHub Pages, and the Spotify API
- The site includes features Spotify login/playback integration and settings to change seeding and number of songs displayed

### Automated Schedule Arranging Program | Venture Hacks Hackathon

Oct '18

- Developed a program using Python to make schedules for students based on both school and student preferences and class availability, winning the award for most scalable product at the end of the hackathon

## LEADERSHIP EXPERIENCE

### Sigma Phi Epsilon Fraternity | Vice President of Finance

Dec '20 – Dec '21

- Balanced a budget and managed a house of 18 brothers which required leasing rooms, collecting dues, and enforcing duties, resulting in increased savings of over \$3,000 while leading 63 brothers out of COVID-19
- Served on the Executive Committee with 6 other members to make key chapter decisions and find unique ways of keeping members engaged semi-virtually

## ACTIVITIES

Eagle Scout, Volunteer at Cristo Rey High School in the tech department, Stevens Chess Club, Intramural Tennis

**Available to work Summer 2023**