

KASEY MCFADDEN

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EDUCATION

PRINCETON UNIVERSITY

Bachelor of Science in Engineering, Computer Science

PRINCETON, NJ

Expected JUNE 2022

- Relevant Coursework: Advanced Programming Techniques, Introduction to Machine Learning, Reasoning About Computation, Algorithms and Data Structures, Principles of Computer System Design, Introduction to Programming Systems

MATAWAN REGIONAL HIGH SCHOOL

Graduated Salutatorian

MATAWAN, NJ

JUNE 2017

- STEM Academy | 8 AP Courses | SAT: 800/800 (M), 790/800 (CR) | President of Math & English Honor Societies

PROFESSIONAL EXPERIENCE

MERCK

SOFTWARE ENGINEER INTERN

BRANCHBURG, NJ

SUMMER 2020 & 2019

Recruited for data visualization internship after winning Merck hackathon challenge and invited back the following summer.

- *Second year:* Utilized computer vision (OpenCV) and machine learning (FRCNN) to automate tablet disintegration analysis, revamped company-wide chatbot and scheduling assistant, improved user privacy and data storage
- *First year:* Created dynamic visualization maps for pharmaceutical product distribution tracking and fraud detection

VENUS TECHNOLOGY VENTURES

FULL STACK DEVELOPMENT INTERN

STAMFORD, CT

JANUARY – JULY 2019

Recruited to FinTech Startup as Full-Stack Developer during gap year.

- Expanded AI chatbot capabilities, led front-end UI overhaul, database clean, and privacy rework
- Developed user authentication system and implemented over 10 APIs, including Slack and Alexa

CITI

D1 FINANCE EDUCATION & MENTORSHIP PROGRAM

NEW YORK, NY

SEPTEMBER 2018 – APRIL 2019

Accepted to competitive finance mentorship program.

- Engaged in monthly mentoring sessions with Citi professionals and quarterly financial education webinars

VONAGE

SOFTWARE DEVELOPMENT INTERN

HOLMDEL, NJ

SUMMER 2018 & 2017

Hired as recent high school graduate and invited back the following summer.

- *Second year:* Took on leading role in Intern Innovation Challenge team of five, pitched creative strategy that drove success, won competitive, multi-team challenge (voted winner by judge panel of 10+ including CEO, SVP, VP), developed containerized performance monitoring solutions for over 10,000 client accounts
- *First year:* Created independent project to integrate Nexmo, Google Calendars, Gmail, and IBM Watson to launch SMS-based reminder chatbot with python, incorporated AI, SMS, verification, and email APIs

ACTIVITIES

MCGRAW CENTER FOR LEARNING

LEARNING CONSULTANT

PRINCETON, NJ

JANUARY 2020 – PRESENT

- Consulting students to help them form an individualized and strategic approach to learning
- Advising on time management and planning, motivation and overcoming procrastination, problem-solving strategies, etc.

MEN'S HEAVYWEIGHT CREW

Varsity Athlete

PRINCETON, NJ

SEPTEMBER 2017 – PRESENT

- Training 20+ hours/week during fall, winter, and spring athletic seasons of Division I intercollegiate rowing program
- Volunteer one-on-one rowing coach for weekly Special Olympics athletic program