

# KASEY MCFADDEN

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## EDUCATION

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### 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 | National AP Scholar | SAT: 800/800 (M), 790/800 (CR) | President, Math & English Honor Societies

## PROFESSIONAL EXPERIENCE

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### 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

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### 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