

André Shannon

he/him/his

Contact

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Skills

Technical

Python • C++ • Java • Git • JavaScript
HTML • CSS • SQL • Handlebars
Express.js • Mathematica • LaTeX

Other

Agile SW Development • Scrum • Trello
User-centric design • Adaptability
excellent teamwork, communication and
organizational skills

Personal Projects

Discord Chat Bot

- November 2021
- Integrated OpenAI's GPT-3 NLP model into a Discord chat bot
- Built with PRAW Reddit API and hosted on AWS EC2

MNIST Image Classifier

- May 2021
- Created a Python ML classifier to classify digits from MNIST dataset
- Built from scratch (only external library used was Numpy)

Honors

- ★ James D. Crump Prize: Mathematics award for outstanding senior
- ★ Mary and Joseph Kent Computer Science Award
- ★ Phi Beta Kappa: Honor society
- ★ VS Lawrence Mathematics scholarship
- ★ Outstanding Student in Mathematics
- ★ UR Summer Research Fellowship
- ★ Presidential Scholar ($\frac{1}{3}$ tuition)
- ★ International Collegiate Programming Contest: 16th place Mid-Atlantic Region

Interests & Hobbies

- ♥ SFSU Club Soccer Team
- ♥ UR Quadball Club Captain
- ♥ UR Ultimate Frisbee Club Team
- ♥ High Ropes Course Facilitator
- ♥ Outdoor Recreation Trip Leader
- ♥ Reading Fantasy and Sci-Fi Novels
- ♥ Solving Various Rubik's Cubes

EDUCATION

San Francisco State University

- August 2024 - Present
- San Francisco, CA
- Pursuing a Master's in Computer Science
- Expected graduation date May 2026
- GPA: 4.00/4

University of Richmond

- August 2018 - May 2022
- Richmond, VA
- Bachelor of Science in Mathematics and Computer Science
- Departmental Honors in Computer Science
- GPA: 3.89/4, summa cum laude

SELECTED SCHOOL PROJECTS

Software Engineering Course

San Francisco State University

- August 2024 - December 2024
- San Francisco, CA
- Team lead for a semester-long project for a group of five, simulating a software engineering team at a startup.
- Team built a tutor website while focused on Agile SW development, user-centric design, communication, and teamwork.

Independent Researcher

University of Richmond

- August 2021 - May 2022
- Richmond, VA
- Developed provably robust deep learning explanation methods for image classifiers using Python
- Collaborated with University of Florida colleagues
- Presented findings in honors thesis and gave oral presentation to university community

WORK EXPERIENCE

Instructor

iD Tech Camps

- June 2024 - August 2024
- Stanford, CA
- Instructed and supervised 7-17 y/o at week-long camp courses
- Courses included Python Coding 101, Robotics Engineering with VEX, and Virtual Robotics and Scratch

AI Training for Mathematics

Outlier (Scale AI)

- January 2024 - April 2024
- Remote
- Created complex, math oriented prompts for the AI to answer relative to specific competencies and rated the responses
- Joined the quality assurance team to give feedback on other taskers' prompts and ratings

Teacher

Integem - Summer Augmented Reality Camp

- June 2023 - July 2023
- Larkspur, CA
- Instructed 6-18 y/o at week-long augmented reality courses
- Courses included Python coding; creating 3D models through Roblox and Mixamo; building, connecting, and controlling robots (Crowbot and Raspberry Pi Pico car); and incorporating AI using Google Vision kit and Nvidia Jetson Nano