André Shannon

he/him/his

Contact

☎ +1 (540) 200-7692

✉ andrejshannon@gmail.com

📍 931 Cayuga Ave, San Francisco, CA 94112

in andre-shannon

⌂ AndreShannon

👤 https://andreshannon.github.io

Skills

Technical

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

Other

Agile SW Development • Teamwork
Scrum • User-centric design • Adaptability

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
★ Putnam Mathematics Exam: Scored 9

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

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

San Francisco State University

📅 August 2024 - Present   📍 San Francisco, CA

- Pursuing a Master's in Computer Science

💼 EXPERIENCE

Software Engineer Student

San Francisco State University

📅 August 2024 - December 2024   📍 San Francisco, CA

- Was 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.

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 various week-long augmented reality courses for 6-18 year olds using Integem's software
- 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

Independent Researcher

University of Richmond

📅 August 2021 - May 2022   📍 Richmond, VA

- Developed provably robust deep learning explanation methods for image classifiers using Python
- Reviewed literature and collaborated with University of Florida colleagues to edit prototype code
- Presented findings in honors thesis and gave oral presentation to university community