

NIKITA MOROZOV

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410 Westhampton Way, Richmond, VA, 23173

EDUCATION

University of Richmond

B.S. in Computer Science with a Minor in Mathematics

Richmond, VA

May 2023

- Cumulative GPA: 3.98
- Coursework: Algorithms, Data Structures, Compilers, Operating Systems, Machine Learning, NLP, Software Systems Development, Computer Architecture, Networks, Databases

QUALIFICATIONS

Technical Skills Python, Java, C/C++, Bash, Swift

Data Analysis SQL, R, IPython

Web & Design HTML/CSS/JavaScript, TypeScript, React, Django, Flutter

Dev Tools Git, Jira, Unix/Linux, L^AT_EX

WORK EXPERIENCE

Palantir Technologies

Software Engineering Intern

Washington, D.C.

June 2022 - August 2022

- Implemented a checkpoint system for capturing the state of 2D and 3D maps
- Delivered responsive and engaging user experience using React and Redux
- Decreased the initial JS load time of the application by 10%

IT4Causes

Software Engineering Intern

Richmond, VA

January 2020 - June 2022

- Develop and design websites using HTML/CSS/JavaScript for more than 10 nonprofits
- Implemented SQL scripts for extracting top donors from a database for a personal email reach, increasing the mean donation amount by 15%
- Created check request system using Microsoft Power Fx, reducing the delay for paychecks by 72%
- Work in an agile development environment using Scrum framework by utilizing Jira and Trello

University of Richmond

Computer Security Research Assistant

Richmond, VA

May 2020 - August 2021

- Designed and implemented Python algorithms for attacking Voice Processing Systems with 85% success rate
- Developed unique LIME/LEMNA explanation method for deep learning Speech Recognition Systems
- Conducted extensive ablation study of DeepSpeech2 using SciPy, Pandas and Scikit-learn

LEADERSHIP EXPERIENCE

Association for Computing Machinery

President

Richmond, VA

May 2021 - Present

- Oversaw the organization of skill and career building workshops with various tech companies
- Organize the development of Mental Health mobile app with Flutter and Firebase, working as a developer and Scrum Master for a team of 10 people
- Designed and built a website for UR ACM with HTML/CSS/JavaScript, increasing the engagement by 20%

Game Development Club

President

Richmond, VA

September 2020 - Present

- Direct and organize events for the new and current game development projects
- Built multiple games using C# and Unity game engine
- Implemented real-time pose detection using Python and OpenCV for creating motion capture animation

PERSONAL PROJECTS

Blur Website

November 2023

- Developed a full-stack web application that works as an anonymous student question board
- Awarded with HackDuke finalist medal
- Built with React, ExpressJS and CockroachDB, deployed on Heroku

FreeTime App

November 2020

- Developed a mobile app that takes calendars of up to 3000 users and finds common time slots for meetings
- Awarded \$1000 for the second place on Spider Ventures pitch competition
- Built with Flutter, Firebase and Google Calendar API; available for both Android and iOS

URservice Website

October 2020

- Implemented full-stack web application that includes a class scheduler, books marketplace and professor ratings
- Utilized Django RESTful API with MySQL database and ReactJS for front-end, deployed on AWS EC2