

Devang Ray

devangray624@gmail.com | [GitHub.com/DevangRay](https://github.com/DevangRay) | [LinkedIn.com/in/DevangRay](https://www.linkedin.com/in/DevangRay)

EDUCATION

University of Virginia

Bachelor of Science in Computer Science

- GPA: 3.91

Charlottesville, Virginia

August 2021 - December 2024

WORK EXPERIENCE

Swift | React, Express.js, CSS, Bootstrap

Software Engineer Intern

Tysons Corner, Virginia

June 2024 - August 2024

- Overhauled a 13-year-old pure HTML web application utilizing React and Express.js, helping users troubleshoot common problems with connecting to the Swift network resulting in a 12.3% reduction in support requests.
- Designed and implemented a key-word search feature for improved page and document navigation improving user search times from 10 minutes to 1.5 minutes on average.
- Collaborated closely with UI/UX designers to create an interface that aligns with Swift's brand guide and modularly supports 2 languages, facilitating the expansion to more languages as demand arises.

Swift | Red Hat Enterprise Linux, Bash Shell Scripts, Elastic Stack, Vega

Software Engineering Intern

Manassas, Virginia

June 2023 - August 2023

- Provided data analysis and visualization of the performance of more than 20 different processes in Swift's financial messaging product to proactively identify potential system errors, reducing propagated failures by 2.3%.
- Developed 30 comprehensive Kibana visualizations to deliver critical information on process errors, average transactions per second, and highlighting processes prone to failure.
- Communicated effectively with stakeholders and managers on a weekly basis to provide progress updates and receive feedback on projects.

UVA CS Department | C, x86-64 Assembly, Java, JavaFX, SQLite

TA - Computer Systems & Organization, Software Development Essentials

Charlottesville, Virginia

August 2022 - December 2024

- Tutored 30+ undergraduate students in weekly office hours, taught best practices for Git, navigating Linux/UNIX operating systems and shells, and guided students through debugging Assembly, C, and Java coding projects.
- Graded over 200 assignments, covering basic computer architecture, x86-64 assembly, C, and C++ languages.
- Educated students on SQLite syntax, integrating SQLite into Java projects, and on principles of software design.

EMS LINQ, Inc. | AngularJS, C#/.NET framework, MySQL, Azure

Software Engineering Intern

Raleigh, North Carolina

June 2022 - August 2022

- Debugged AngularJS frontend & C#/.NET backend applications across the LINQ ERP education product space.
- Upgraded 10% of LINQ ERP endpoint security, heightening data protection measures.
- Worked in an Agile development team, leading to a 12.5% increase in average weekly productivity.

PROJECTS

HoosBuying | Vue.js, Flask API, MySQL

May, 2024

- Collaborated in a group of 2 to develop a shopping platform for UVA students, over a 1-month period.
- Designed the website to persist user data, hosted items, and conversations with other users, ensuring a seamless and efficient user experience.
- Implemented secure user authentication processes and utilized cookies to maintain user sessions and enhance website security.

Acronym Chatbot | Python, Flask, OpenAI API

July, 2023

- Developed an application run on Flask that called on an OpenAI model to define and summarize commonly used industry acronyms as a workplace aid.
- Applied the MVC (model-view-controller) design pattern to maximize adaptability, allowing the team to later incorporate the chat bot into already existing internal tools.
- Collaborated in a team of 5 interns to build and market our chatbot, resulting in placing as the winning project at the Swift Intern Hackathon.

SKILLS

Technical Skills: Java, Python, C, HTML, CSS, JavaScript, SQL, NoSQL, REST architecture, Shell Scripting, Docker

Frameworks/Libraries: React, AngularJS, Django, Flask, JavaFX, Express.js, scikit-learn, Tensorflow, Keras, JDBC, JMeter, Mockito, Selenium, Git, C#/.NET