

# SALIL KHANNA

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Site: [salilkhanna.com](http://salilkhanna.com) | [github.com/salil-khanna](https://github.com/salil-khanna) | NYC & Boston

## EDUCATION

**Northeastern University, Boston MA**

*Sept 2019 – Present*

**Khoury College of Computer Sciences**

*Exp. Grad: May 2023*

Candidate for a Bachelor of Science in Computer Science w/ concentration in Software

**Current Gpa:** 3.76/4.00

**Honors:** University Honors Program, Deans List

**Related Coursework:** Algorithm and Data Structs, Object Oriented Design, Computer Systems

## TECHNICAL SKILLS

**Languages:** JavaScript (React), Python (Flask), Java, C# (.NET), SQL, HTML/CSS, C, C++, Powershell

**Dev Tools:** AWS, Git, Jira/VSTS, Visual Studio, JUnit, VS Code, MySQLWorkbench (Modeling), Linux, GDB, Figma, IntelliJ, PyCharm, Virtual Machines, Eclipse, SolidWorks, AutoCAD, Arduino

## EXPERIENCE

**Incoming Software Engineer Intern**

*Fall 2022*

*Datadog*

*New York City, NY*

**Software Engineer Intern**

*May 2022 – Present*

*Microsoft*

*Redmond, WA*

- Utilizing C#, .NET, and Visual Studio to modernize the Outlook notification delivery system for mobile clients
- Designing & exposing a controller API route to help facilitate the post of notifications to a push notification service, improving the notification experience for 350 **million** customers and delivering a monthly 400 **billion** notifications
- Collaborating with Software Engineers across the team to notify them on the changes to push notification delivery, how to use the new API route endpoint, as well as communicating on code reviews and pull requests to production

**Technology Analyst Co-op**

*July 2021 – Dec 2021*

*Fidelity Investments*

*Boston, MA*

- Responsibilities included: agile workflow (stand-up and sprints), coding Python scripts to automate AWS tasks, and identifying cloud security vulnerabilities to reduce unauthorized access to systems, servers, and databases
- Developed a Flask MVC application in Python by leveraging AWS's api (boto3) and DivvyCloud's api to summarize DivvyCloud findings into excel sheets, bringing audit time from manual 40 hours to automated 2 hours
- Wrote and documented script on Kubernetes cluster data pulls, reducing audit time from 7 days to 3 minutes

**Object-Oriented Design Teaching Assistant**

*May 2021 – June 2021*

*Northeastern University*

*Boston, MA*

- Held 7 office hours a week to assist students with OOD/Java principles and answer homework questions
- Graded and commented 11 assignments a week & provided feedback to professors of student learning progression

## PROJECTS – HEADINGS ARE HYPERLINKED, [SALILKHANNA.COM/PROJECTS](http://SALILKHANNA.COM/PROJECTS) FOR A FULL LIST

**The Northeastern Experience Checklist** | *Python, Flask, JavaScript, React, PostgreSQL*

*Jan 2022*

- Curated questions across Northeastern student body, aimed to foster a new tradition, taken by 350+ students
- Frontend designed in JavaScript and React for use of hooks to provide seamless experience when taking checklist
- Heroku hosted backend, utilizing Python, Flask and PostgreSQL to maintain information on anon. submitted data

**Salad Spinner: A Healthy Version of Cookie Clicker!** | *React, JavaScript, CSS*

*May 2021*

- Developed a Front-End web application, focused on UI/UX design improvements such as Spring Animations, Modals, Toasts, Confetti, CSS imports, etc.
- Created custom components such as buttons, unknown items, purchasable items, and a header in order to reduce code size and improve re-usability.

**Easy Animator: An MVC Application** | *Java, OOD, IntelliJ*

*April 2021*

- Utilized Object Oriented Programming principles to develop and document application as Model, View, Controller
- Engineered program to convert text files into animations, either in Text, SVG, Visual, or a GUI interactive format
- Coded in two sorting algorithms and their visual counterparts to be animated by the program

**Interests Include:** Video Editing, Listening to Music, Photography, and being a Marvel Nerd!