

SALIL KHANNA

Email: salilkhannawork@gmail.com

Site: salilkhanna.com | 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, Software Dev

TECHNICAL SKILLS

Languages: Type/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

Software Engineer Intern

Sept 2022 – Present

Datadog

New York City, NY

- Through GoLang and Kafka, rewriting algorithm design to calculate real time usage of Datadog services to better estimate costs for clients

Software Engineer Intern

May 2022 – Aug 2022

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

- 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 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!