Avish Parmar

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Objective

To gain experience and contribute to the community by applying critical thinking and my knowledge of computer science in the workspace.

Education

Stony Brook University   **Stony Brook, New York**
Expected Graduation: 2023   *Bachelor of Science in Computer Science*

Relevant Coursework:

- **Introduction to Object Oriented Programming**
- **Data Structures and Algorithms**
- **Discrete Mathematics**
- **System Fundamentals I**
- **System Fundamentals II**
- **Programming Abstractions**
- **Introduction to the Theory of Computation**
- **Artificial Intelligence**
- **Analysis of Algorithms**

- **Calculus I/II/III**
- **Introduction to Linear Algebra**
- **Probability and Statistics**
- **Finite Mathematical Structures**
- **Fundamentals of Software Development**
- **Natural Language Processing**
- **Machine Learning**
- **Computer Networks**

Experience

Vertically Integrated Projects Team – Tech Businesses in Development   Stony Brook, NY
Researcher/Full Stack Developer   January 2021 – Present

- Project(s): ClubHub
- Create web applications that make existing systems more efficient for over 25k+ Stony Brook students to use and introduce new software to further enhance the student experience
- Coordinate with teammates in weekly one-hour project meetings. Design new features and discuss implementation details for the project

College of Engineering and Applied Sciences   Stony Brook, NY
Peer Mentor   August 2021 – Present

- Provide a support system for three students in their first year of attending Stony Brook University
- Responsibilities include making students familiar with all resources available on campus, guiding them with all issues related to academics, health, or just in general
- Conduct weekly one-hour meetings to check-in on mentees, answer their questions, and create a space for them to destress and socialize
- Number of students mentored: 6 (3 per year)

SBUHacks   Stony Brook, NY
Event Coordinator / Partner Relations   August 2021 – Present

- Collaborate with student organizations to host workshops during the hackathon
- Collaborate with the Stony Brook Career Center to raise over $40k+ in sponsorship between SBUHacks and companies.
- Organize the timings of all events, including committee meetings and submission deadlines during the hackathon

Stony Brook Department of Computer Science   Stony Brook, NY
Teaching Assistant   August 2021 – Present

- Class(es) taught: Data Structures and Algorithms (CSE214), Fundamentals of Software Development (CSE316)
- Host 6 hours of office hours every week to support 200+ students with assignments and coursework related to full stack web development.
- Answer questions posted by students on the online Q&A platform Piazza and host review sessions to help students prepare for exams

Google   Mountain View. CA
Developer Programs Engineer Intern   May 2022 – August 2022

- Migrated the Universal Android Media Player (UAMP), a media app with over 12.6k stars and 3.6k forks, to Media3 and added spatial audio features ahead of the Android 13 release making it an app showcasing modern app development (MAD) principles
- Converted UAMP to Compose, a modern UI toolkit for android development, to serve as the go-to media use case for developers transitioning media apps to Compose.
- Published a technical blog post on Medium.com showcasing what I had learnt from my experience in migrating UAMP and showcasing my findings, as well as best practices for developers looking to migrate their apps to Compose
- Participated in partner meetings with companies like TikTok, Snap, Meta, and Disney with the Android Media and Camera team.

Extra-Curricular Activity

Stony Brook Computing Society   Stony Brook, NY
Vice President

- Contact club organizations and companies for collaborations in the form of events or talks.
- Work with the President in developing event ideas and advertising the events across campus
- Be the point of contact for any external matters such as sponsorship, fundraisers, collaborations, etc.

Skills and Abilities

- Computers: Eclipse, IntelliJ, PyCharm, VSCode, Android Studio
- Technical Language(s): Java, Python, Kotlin, HTML, CSS, JavaScript, MIPS, Git, OCaml, R
- Version Control: GitHub
- Database(s): MongoDB, Firebase
- Framework(s): Bootstrap, React.js, Node.js, Express.js, Jetpack Compose, Jetpack Media3
- Tech Stack(s): MERN, FERN
- Computer Systems: Windows, Linux
- Languages: English, Hindi, and Gujarati (Fluent in all)

Awards

- Dean's List: Fall 2019, Fall 2020, Fall 2021, Spring 2022
- National Honors Society, 2015, 2016, 2017, 2018, 2019
- New York Business Management Honors Society, 2017