

Mathew Chanda

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EDUCATION

NORTH CAROLINA STATE UNIVERSITY

B.S IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

GRAD DATE : MAY 2023

Raleigh, NC

Major GPA: 4.0 / 4.0

Cum. GPA: 3.95 / 4.0

EXTRACURRICULAR

Tech @ NC State

Society of Asian Scientist and Engineers

App Development Club

Vietnamese Student Association

CodePath

PackHacks

SKILLS

PROGRAMMING

Java • Swift • Python • HTML

CSS • JavaScript • SQL

FRAMEWORKS/LIBRARIES

React.js • React Native • Angular

• Flask • Bootstrap • UIKit •

SwiftUI • Firebase

TOOLS

Android Studio • Xcode • Docker • Jenkins • Git • MySQL

• AWS (EC2 and CloudFormation)

• MongoDB • Webdriver.io •

Mocha • Chai • Azure DevOps

• Figma • Adobe XD • Confluence

• Jira

HONORS

AWARDS

Carolina Covenant Scholar

NC State's Dean List

Wolfram Award

Top 20 Hacks at HackNC

Best Hack for Education at HackNC

WORK EXPERIENCE

TESLA | INCOMING SOFTWARE ENGINEER INTERN

Mar 2021 - Present | Fremont CA (Remote)

- Joining Vehicle Fulfillment Experience Team to work on a financial tool for the Tesla website

CISCO | SOFTWARE ENGINEER INTERN

Jan 2021 - Apr 2021 | San Jose CA (Remote)

- Joined the WebEx Team in San Jose, CA to maintain Webex's **Javascript SDK** to allow third-party applications to communicate with external/internal API's endpoints
- Implemented an improved authentication workflow by integrating OAuth 2.0 with existing sample applications
- Performed and automated unit testing to sample applications with **Webdrivers, Mocha, and Chai**
- Established and presented proper security practices in sample applications for developers to avoid Javascript rendering issues from malicious bots

LEXISNEXIS | SOFTWARE ENGINEER CO-OP

Aug 2020 - Dec 2020 | Raleigh NC (Remote)

- Joined the Global DevOps Team in an **agile** environment
- Migrated existing products and Jenkins pipelines from Python 2 to Python 3
- Integrated **Datadog** into existing services to provide information about EC2 instances in Amazon Web Services
- Upgraded existing services' AMI to Microsoft Server 2016 or Amazon Linux 2 with **Packer, Ansible, and Jenkins CI/CD pipelines**

SIDE PROJECTS

PACKRANKS

 Github |  Website

- Developed a web and mobile application in **React.js, React Native, Flask, and MongoDB** that finds the easiest courses at NC State for a student by collecting data from course catalog, RateMyProfessor, and grade distributions of all **1000+** classes offered in past **10 years**.
- Reduce time to search for courses from approximately **4-5 hours to 2 mins or less**
- Received **18,000+** pageviews with **500+** signed in users
- Led the development of the mobile app of this project in **React Native**

VIRTUAL PANTRY

 Github

- Developed an IOS application that automates a shopping list based on the current inventory for a shopper to reduce food waste in the household
- Designed and wire framed user experience and interactions in Figma
- Implemented Notification Center to automate the creation of the shopping list of expired and low quantity foods in IOS App
- Implemented with **Swift, UIKit, Firebase Auth, and Cloud Firestore**

WOLFSNACKS

 Private Repo

- Developed a web application in **Angular, Flask, and MySQL** that automates administrative work such as volunteer tracking and data analytics for local food pantry at NC State
- Served **36000+** students at NC State