Diane Tran

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Education

Rutgers University - **Spring 2021**
B.S. in **Computer Science** | GPA: **3.2** / 4.0
Douglass Residential College
DIMACS CS LLC | Cohort 2

Coursework

Undergrad: Data Structures, Computer Architecture, Systems Programming, Databases
(Current) OS, Algorithms, Internet Technology
Grad: (Current) AI

Skills

Java, C#, C, Javascript, .NET, MVC, Agile, DevOps, Git, Visual Studio, Azure

Experience

Microsoft | Software Engineering Intern

(Summer 2019 to Present)

> Implemented **OCR** (Optical Character Recognition) service using **Azure Functions** to process images from a **React** portal hosted through a **Blob store**
> Called **Cog. Services API** to extract, store, return key
> Developed **CICD pipeline** with **DevOps**
> Integrated OCR service with product key activation, hardware warranty, and error code assistance, for **human accessibility** and **data entry issues**

Rutgers NBITS | Student Developer

(Spring 2019 to Present)

> Implemented and updated Web Apps, Web Forms, Web Sites, and Databases using **Asp.net MVC, SQL, JavaScript, HTML/CSS**
> Serviced ticket requests using **Asana** for Rutgers community and orgs, **~95k** students and staff

UPS | Software Developer CO-OP

(Summer & Fall 2018)

> Implemented and debugged features using **C#, .Net,** and **Visual Studio** to the **UPS Chat Bot** on Amzn Alexa, Google Assistant, Skype, and FB Messenger for **over 35 million people in 15 countries**
> Created **intents** and trained **utterances** on **LUIS, Dialog Flow, Alexa SDK, and QnA Maker KB**

Teaching

Rutgers CS Department | iLab Assistant

(Fall 2019)

> Tutored undergrads in computer science coursework
> Administered an inclusive community space

Projects

Big Boba Brand > Python

(Spring 2019)

> **Smart plug** with an exposed api that triggered keurig
> **Arduino** microcontroller to control **servos**
> **Python** script that sent serialized input to the arduino to execute certain commands

Malloc Emulator > C

(Spring 2019)

> Created a time and space efficient implementation of the C library's malloc function using **bit manipulation**

Sudoku Solver > C

(Fall 2018)

> Implemented a program to run all sensible plays by order of elimination until puzzle solved
> Implemented a **backtracking** algorithm to play all possible values to guess and solve the sudoku

Leadership

Community Director | Rutgers CS Organization

(Spring 2018 to Present)

> Fostered an **inclusive** and diverse CS community
> Managed platforms and increased exposure by **200%**
> Launched initiatives that increased student involvement by **367%**, and community presence of minority groups by **57%**, particularly **women in tech**

Event Coordinator | Rutgers Mobile Dev

(Spring 2018 to Present)

> Conceived the Rutgers Tech Involvement Fair to unite the CS community, and brought it to fruition
> Attended by **22 RU tech orgs** and over **400 students**

Representative | LLC for Women in CS

(Fall 2018 to Present)

> Organized and the 1st and 2nd tech tours to OATH and Facebook in NYC for **60+** women in CS