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# DIANE TRAN

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## EDUCATION

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New Brunswick, NJ	Rutgers University	Sep 2017-May 2021
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- **Major:** Computer Science, B.S. (GPA: 3.31)
- **Coursework:** Data Structures, Algorithms, Computer Architecture, Systems Programming, Computer Security, Databases, Internet Technology, Graduate AI, (*Current*) Software Methodologies, Operating Systems
- **Honors:** RTC 2020 Fellow, GHC Scholar 2020, EOF Academic Performance Scholar, Douglass LLC for Women in CS

## EMPLOYMENT

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Software Engineer Intern	Microsoft	May 2020-Present
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- Designed and developing an Audit API, database, and UI to log & query changes made to ONV E360 services.
- Leveraged C#, .NET Core, React, Azure (Functions, Storage Queue, Sql DB, Monitor, Insights, ADO), Postman.

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Manager	Rutgers CS Dept Learning Center	Feb 2019-Present
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- Presided over university CS tutoring lab of 15 student staff, and fostered the inclusive, learning environment.
- Provided tutoring services to 150 students/day in CS fundamentals, data structures, algorithms, and systems.
- Distributed and supported students in finding resources and opportunities that complimented the student.

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Software Engineer Intern	Microsoft	May-Aug 2019
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- Implemented an Optical Character Recognition service that automates product activation for user accessibility.
- Integrated into production workflows: product redemption, warranty validation and agent support.
- Leveraged C#, .NET, React, Azure (Functions, Storage Blobs, Cosmos DB, Computer Vision, DevOps), Postman.

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Student Developer	Rutgers IT Services	Jan 2019-May 2019
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- Converged web UIs to meet new database standards using Asp.net MVC, MS SQL Server, and HTML/CSS/JS.
- Serviced technical tickets through Asana for Rutgers community and organizations, ~95k students/faculty.

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Software Developer Co-Op	UPS	May 2018-Nov 2018
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- Implemented critical UPS ChatBot services such as: Reschedule Delivery, Payment Setup, Drop Box features, MyChoice Registration, Sentiment Analysis and FAQ data isolation.
- Integrated the UPS Chat Bot into Amazon Alexa, Google Assistant, Skype, and FB Messenger to expand support for over 35 million people in 15 countries.
- Leveraged C#, .NET, MS Azure, LUIS, Dialog Flow, Alexa SDK, MS Text Analytics, and QnA Maker KB.

## PROJECTS

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### Brewba - Bubble tea in 2 minutes

- 3D printed gears in a taped cardboard conveyor belt moves a cup to receive tea powder, hot water, then boba.
- Smart plug API remotely triggers kuerig to boil water, while arduino controlled servos deposit tea and boba.
- Utilized Python, smart plug, arduino microcontroller, servos, wires, breadboard, 3D printer, and 2 friends.

### Git Imitation

- Developed CRUD commands for "repos" and individual "files" between a secure client and server connection.
- Utilized C programming, Socket (IP/TCP) Programming, and OpenSSL.

## LEADERSHIP

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### Community Director - Rutgers CS Organization

- Doubled general student involvement, and increased female involvement by 57% over a 1-year period.
- Founder & organizer of the Rutgers Tech Involvement Fair, uniting 22+ tech orgs and over 800+ students.

## SKILLS

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(**proficient**): C#, Java, JavaScript, React.JS, SQL | Git, MS Azure, .NET, MVC (**familiar**): C/C++, Python, Linux, Docker

