

USHIO LOUIS SHINOHARA

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Education

Rutgers University, The State University of New Jersey

Summa Cum Laude

Double Major: B.S. Electrical and Computer Engineering & Computer Science

Cumulative GPA: 3.761

Involvement: Theta Tau, Omicron Delta Chapter; Tau Beta Pi, Beta Chapter

Professional Experience

AT&T

Distributed Systems Engineer at Xandr (AppNexus) | Middletown, NJ

July 2021 – Present

- Creating queries for a full-stack application which displays information from the company's Hadoop Distributed File System.
- Implemented docker-compose to reduce the development cycle time of the full-stack application from 20 minutes to 20 seconds.

Enterprise Application Services at Rutgers University

Full Stack Web Application Developer | New Brunswick, NJ

September 2020 - Present

- Selected from the Mobile Application team to re-design and create the University Portal to match the theme of the mobile app that we created which will be used by over 71,000 students and faculty across three regional Rutgers campuses.
- Creating custom responsive components that parses data from an API into compatible data structures to be used by the component.
- Designing a non-relational database to read and write data for the custom components to display personalized student data.

Full Stack Mobile Application Developer | New Brunswick, NJ

December 2019 - September 2020

- Revamping the UI/UX of the official Rutgers mobile app which will be used by all three regional campuses.
- Developing custom Flutter widgets and integrating Firebase to allow for authentication and data retrieval.
- Taking on responsibilities of a project manager by assigning weekly tasks to ensure the smooth progression of the project.

Knowt *knowt.io*

Front-End Mobile Application Developer | East Brunswick, NJ

January 2020 - April 2021

- Developed the UI for a web and mobile application which uses artificial intelligence and machine learning to generate various types of quizzes from the user's notes.
- Pitched designs for the teacher platform which allows for a teacher to organize classes and quizzes for their students.
- Utilized libraries to enhance features and functionality such as multi-language support and animations.

Optum - UnitedHealth Group

Software Engineering Intern | Basking Ridge, NJ

June 2020 – August 2020

- Designed and implemented an employee predictive analytics web app tool under internal corporate systems for top level executives to anticipate which employees are most statistically likely to succeed if promoted to a higher position.
- Leveraged the MERN stack to integrate the front and back end with the internal Tiger Graph database to perform graph analysis on employee data and present them in an intuitive and aesthetic manner.
- Communicated extensively with business teams to excel in agile development methodology to spontaneously tweak designs and deliver a custom product for the client.

Skills

Programming Languages: HTML/CSS, JavaScript, Python, Java, MySQL, Dart, Scala

Software: ReactJS, React Redux, React Native, Flutter, Kubernetes, Apache, Hadoop, Docker, Firebase, Node, Adobe XD, Android Studio

Other: Web/Mobile App Development, UI/UX Design, Full-Stack Development, Distributed Systems, Bilingual (English & Japanese)

Projects

Auctioning Web Application (Databases)

January 2021 - May 2021

- Utilized Java Server Pages with Apache TomCat and MySQL as a back end to develop an auctioning website.

Image Colorization with Machine Learning (Artificial Intelligence)

April 2021 - May 2021

- Trained an unsupervised machine learning clustering algorithm to use the colors in the left half of a colored image to populate the other half which was converted to a grey image.

Theta Tau Website *thetatau.rutgers.edu* (Web Development)

May 2019 – August 2019

- Created a website for my fraternity without using a template using raw HTML/CSS to understand web development in depth.

Image Blur (MATLAB)

December 2018

- Developed a GUI which allows the user to select a photo from their computer and add a desired level of blur to it.

Affiliations

Transfer Integration Program Rutgers School of Engineering

August 2020 - May 2021

Mentor

- Mentoring transfer students within the School of Engineering for them to seamlessly integrate and acclimate to their new college environment.

Theta Tau Co-Ed Professional Engineering Fraternity

April 2019 – January 2020

Webmaster

- Redesigned the old fraternity website by creating a theme and layout which I envisioned without using a template.
- Organized and led a committee for efficient collaboration of innovative ideas to complete the site within a specified time frame.