USHIO LOUIS SHINOHARA

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Education

Rutgers University, The State University of New Jersey   Expected Graduation: **May 2021**

Major: B.S. Electrical and Computer Engineering and Computer Science   **Cumulative GPA: 3.74**

Professional Experience

Enterprise Application Services at Rutgers University

Front-End Mobile App Developer | New Brunswick, NJ   December 2019 - Present
- Revamping the UI/UX of the official Rutgers mobile app which is used by over 71,000 students and faculty across three campuses.
- Developing multiple screens using Flutter while integrating Firebase as a back end service which allows authentication.
- Managing a team of three by using agile methodology to ensure that each team member has tasks for the week.

Web App Developer   September 2020 - Present
- Selected from the Mobile App team to re-design and create the Rutgers Student Portal Dashboard for all Rutgers students and faculty across all three campuses using ReactJS.

Knowt *knowt.io*

Front-End Mobile App Developer | East Brunswick, NJ   January 2020 - Present
- Developing the UI for a web and mobile application using artificial intelligence and machine learning to generate various types of quizzes from the user's notes with over 10,000 users for a startup company of 30 students.
- Pitching designs for the new teacher platform which allows for a teacher to organize classes and quizzes for their students.
- Utilizing 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.

Office of Information Technology at Rutgers University

IT Consultant (Level 2) | New Brunswick, NJ   May 2019 – September 2020
- Resolved technological issues by effectively communicating solutions to patrons of various degrees of technological aptitude.
- Acquired additional training and certification to assist patrons in their dorms to troubleshoot their technological devices

Projects

Algorithm Visualizer (Web Development)   May 2020 - Present
- Developing a web application to visualize many of the common sorting and pathfinding algorithms that are taught in school.
- Utilizing HTML/CSS/JavaScript and ReactJS to create a visually appealing front end interface.

Personal Portfolio Website *louishinohara.com* (Web Development)   August 2019
- Created a website without a template using HTML/CSS and Javascript to showcase my past experiences and projects.

Theta Tau Website *thetatau.rutgers.edu* (Web Development)   May 2019 – August 2019
- Integrated HTML 5 and CSS3 to create a website without using a template in order to understand web development in depth.
- Utilized Bootstrap 4.0 in order for the website to be dynamic and work on various different screen sizes.

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.
- Converted RGB images into a 3D Matrix of pixelated values which allowed the data to be manipulated by this algorithm.

Skills

Programming Languages: Python, HTML/CSS, JavaScript, Dart

Software: Flutter, ReactJS, React Redux, React Native, Firebase, Node, MongoDB, Adobe XD, MATLAB, Microsoft Office

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

Affiliations

Transfer Integration Program Rutgers School of Engineering   August 2020 - Present

Mentor
- Mentoring multiple transfer students within the School of Engineering in order 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 website by creating a theme and layout which I envisioned without using a template.
- Scheduled updates on the fraternity website to showcase active brothers and fraternity events.
- Organized and led a committee for efficient collaboration of innovative ideas to complete the site within a specified time frame.