

USHIO LOUIS SHINOHARA

ushio.shinohara@rutgers.edu

Highland Park, NJ | (201) 398-8872

linkedin.com/in/louishinohara | github.com/louishinohara

Education

Rutgers University, The State University of New Jersey New Brunswick, NJ

Expected Graduation: **May 2021**

Bachelor of Science in Computer Engineering

GPA: 3.695

Dean's List: 4 Semesters

Relevant Coursework: Circuits, Logic Design, MATLAB, Programming Methodology (C++)

Projects

RSA Codec (Python)

January 2019

- Created a program which allows the user to generate keys and encrypt/decrypt any message.
- This project was for educational purposes and has allowed me to understand encryption/decryption algorithms.

Calculator App (iOS)

January 2019

- Developed a Calculator App for the iPhone from scratch.
- Fully functioning and able to perform basic mathematical operations. (+,-,x,/)
- Wrote the code that takes the input from the UI, performs the calculation and displays it back to the user.

Rock, Paper, Scissors Game App (iOS)

December 2018

- Developed a Rock, Paper and Scissor game for iOS.
- Takes the user's choice and displays whether they have won, lost or drawn again the computer.

Image Blur (MATLAB)

December 2018

- Developed a program that allows the user to select a photo from their computer to add a desired level of blur to it.
- Converted RGB images to a 3D Matrix which allowed the data to be manipulated via loops and indexing.

Game of Life (MATLAB)

November 2018

- Developed a program that mimics John Horton Conway's Game of Life which is a zero-player simulation where all future states are determined by the initial state.

Professional Experience

Cypher City

July 2019 – Present

Front End Developer (Intern)

- Interned at a startup music company to connect and promote emerging artists.
- Lead iOS app developer by using XCode and Swift to create an interactive app.

Office of Information and Technology at Rutgers University

May 2019 – Present

Consultant in Training

- Provided troubleshooting services to students who encounter technical or software difficulties at the Computer Lab.
- Required excellent problem solving skills such as utilizing past knowledge, experience, and Google to create an optimal outcome.

Dellridge Health and Rehabilitation Center

September 2015–August 2018

Dietary Aide (Supervisor)

- Developed a system to optimize time management and reduce labor time.
- Took on the role as a leader to assimilate new employees into the work environment.
- Maintained positive relations with all guests including first time diners and regular guests.
- Supervised employees to ensure that they were complying with proper food regulation standards.

The Kids Weekend School of New Jersey

June 2014 -September 2016

Teacher Assistant

- Created a yearbook for the school by utilizing my skills in Microsoft Word.
- Employed my expertise in Japanese to engage with students during class and grade assignments.
- Used Excel to redesign a system to record data such as contact information, grades and attendance.

Affiliation

Theta Tau Co-ed Professional Engineering Fraternity

April 2019 – Present

Webmaster

- Coded the website, thetatau.rutgers.edu, without a template using HTML/CSS, JavaScript, PHP and Boot Strap 4.0.
- Scheduled updates on the fraternity website to showcase active brothers and fraternity events.
- Organized and lead a committee to establish a team for efficient collaboration of innovative ideas.

Skills

Programming Languages: Swift, Python, C++, HTML/CSS

Software: XCode, Microsoft Visual Studio Code, Boot Strap 4.0, Firebase, MATLAB, IDLE, LTspice, Maple, Microsoft Office

Languages: Bilingual (English & Japanese)