

Kai E. Burkholder

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🐙 <https://github.com/Kai-Eiji>

EDUCATION

University of San Francisco

Major : Computer Science Minor : Mathematics GPA : 4.0 Expected Graduation: May 2022

RELEVANT COURSEWORK

- ❖ **CS 112 Introduction to Computer Science II** Spring 2019
Java Object Orientated Programming Inheritance Polymorphism Encapsulation
Abstract Class / Methods Error Handling / Exceptions Recursion Linked List
- ❖ **CS 221 C and Systems** Fall 2019
Algorithms and Data Structures in C Defensive Programming in C Develop System Software in C
- ❖ **MATH 370 Probability with Applications** Fall 2019
Probability models and applications Stochastic processes Markov processes Bayes Theorem

WORK EXPERIENCE

- ❖ **Quality Assurance Intern** - iWallet Inc October 2019
 - Ensuring the mobile payment system powered by iWallet was implemented without any trouble at each merchant. If there is an issue, detect the bug and report it.

PROJECTS

- ❖ **Conway's Game of Life**
 - A web app that shows cellular automaton simulation. Created by using **React.js** and **Node.js**. Deployed by using **Amazon Web Service**. Link : <https://master.d2k2vh83ffngws.amplifyapp.com/>
- ❖ **AI Tic Tac Toe**
 - A web app that allows users to play the game tic tac toe against computer. The computer's move is determined by using **minimax algorithm**. Created by using **React.js** and **Node.js**. Deployed by using **Amazon Web Service**. Link : <https://master.d1rw9gdcmselp1i.amplifyapp.com/>
- ❖ **Space Data Web Site**
 - A website that allows users to browse astronomy photos and photos from Mars taken by NASA and mars rovers. Used **React.js**. Utilized **REST APIs** provided by NASA.

So many other projects are on my GitHub : <https://github.com/Kai-Eiji>

SKILLS

- ❖ Proficient in programming languages such as **Python, Java, JavaScript (and Node.js), HTML and CSS**, and web frameworks such as **React.js**.
- ❖ Fluent in Japanese (Writing, Speaking and Listening).

SCHOOL / COMMUNITY INVOLVEMENT

- ❖ **College of Arts and Science Deans Honor Roll** Spring 2019 - Present
- ❖ **Member** – Women in Tech / Association for Computing Machinery(ACM) Fall 2018 – Present
Stock Investment Club