Koki Narimoto

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EDUCATION

University of California, Santa Barbara — Expected Graduation: June 2022
Bachelor of Science in Computer Engineering — GPA: 3.82
UCSB College of Engineering Honors Program — 2019 – Present

Tokyo Institute of Technology — July 2019
TKT CAMPUS Asia study abroad program

WORK EXPERIENCE

AI/ML Internship
Northrop Grumman – El Segundo, California, USA — March 2021 – Present
- Obtaining a *Top-Secret* Level Security Clearance
- Implementing a Reinforcement Learning algorithm in *Python* using *TensorFlow's* convolutional neural network for multi vehicle air surveillance
- Implementing passive and bistatic sensors to provide data for the autonomous vehicle in *C++/JS*
- Presenting in a company panel where I offer both career and academic advice towards interns based on my internship and academic experience

Software Engineering Internship
Northrop Grumman – El Segundo, California, USA — June 2020 – October 2020
- Obtained a *Secret* Level Security Clearance
- Implemented a Doxygen handler and SLOC counter for the DevOps Dashboard in *Javascript/HTML/CSS* which results in an increased accessibility of information during meetings
- Made improvements to a timeline application's GUI by creating a new GUI application in *Qt Widgets* which will potentially result in the revamping of all other GUIs implemented in *Java*

Cyber Security & AI/ML Internship
Macnica Networks Japan – Shinyokohama, Yokohama, Japan — August 2019
- Dealt with customers by relaying the necessary procedures for navigating the Splunk interface
- Taught AI in the H2O Driverless interface through data sets imported from Kaggle

PROJECTS

Kaobon Social Media App — August 2021 - Present
- Implementing a full stack social media app, using a **React** (**JavaScript**) frontend and a **Node** (**JavaScript**) backend, where users can register and log in to Kaobon to create posts, view and like other users' posts, and follow and unfollow other users
- Implementing a real time chat functionality by using **Socket.io** and communicated between the front and back end of the application via **axios**
- Storing user and post information securely by hashing the passwords with **Bcrypt** and by creating two collection databases for posts and users for storage on the **MongoDB** database

Face Detection Web App (https://facial-recognition-api-0.herokuapp.com/) — August 2021
- Implemented a full stack web app, using a **React** (**JavaScript**) front end and a **Node** (**JavaScript**) back end, where users can log in and register on the web app to keep track of the number of detected faces from the inputted image urls via the **Clarifai API**
- Stored user information securely by hashing the passwords with **Bcrypt** and by having a login and user **PostgreSQL** database

SlackBot Web App (https://mapache-search-f20-7pm-b.herokuapp.com/) — December 2020
- Implemented a slack user database manager by utilizing a **React** (**JavaScript**) frontend and a **SpringBoot** (**Java**) backend where each user can be created, deleted, and edited provided that an admin, which is determined from **Google Auth-0**, is logged into the website
- Implemented an upload **csv** functionality which parsed the csv file of users and stored user information on a **PostgreSQL** database
- Led a team of five members successfully on a legacy code project by utilizing **Git** to resolve merge conflicts, by reviewing pull requests, and by managing and delegating tasks by using the **Kanban Board** to earn extra credit for the project
- Debugged all the test cases to yield a **code coverage** of 100% and presented the project, that was hosted on **Heroku**, in front of the class

EXTRACURRICULAR

Founder / Tutor / WebDev
Anatano Kakehashi – USA / Japan (https://anatanokakehashi.github.io) — June 2020 – Present
- Founded Anatano Kakehashi, a remote 1:1 tutoring service primarily for people in Japan, to provide students the opportunity to receive tutoring at an affordable price and managing seven bilingual tutors to teach over 20 people of all ages via zoom
- Implementing a website using *HTML/CSS/JavaScript* and hosting the website through *GitHub* pages

SKILLS

- Technical: Python, C++, C, Java, Javascript, HTML, CSS, Git, React, Node.js, Express.js, PostgreSQL, MongoDB
- Languages: Fluent English and Japanese

AWARDS

- Northrop Grumman Bravo Performance Award x2
- Recipient of Tokyo Tech Scholarship
- UCSB Dean's Honors x7