

Koki Narimoto

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EDUCATION

University of California, Santa Barbara

Bachelor of Science in Computer Engineering

UCSB College of Engineering Honors Program

Tokyo Institute of Technology

TKT CAMPUS Asia study abroad program

Expected Graduation: June 2022

Major GPA: 3.82

2019 – Present

July 2019

WORK EXPERIENCE

AI/ML Internship

March 2021 – Present

Northrop Grumman – El Segundo, California, USA

- 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

June 2020 – October 2020

Northrop Grumman – El Segundo, California, USA

- 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

August 2019

Macnica Networks Japan – Shinyokohama, Yokohama, Japan

- 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

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 input image urls to detect a face within the image via the **Clarifai API**
- Added a user log in and register functionality to keep track of the number of detected faces each user has detected with the web app
- 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)** front end and a **SpringBoot (Java)** backend where each slack 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 parses the inputted csv file of slack users and stores every slack user's information on the **SQL** database of slack users and displays the information on the website
- Led a team of five members on a legacy code project by utilizing **Git** to resolve merge conflicts between both each other and other teams, to review pull requests before merging, and to manage and delegate tasks based on the **Kanban Board**
- Debugged all the edge cases of the project such that the **code coverage** was 100% for both the backend and frontend
- Presented a live demonstration of the project, which was hosted on **Heroku**, in front of the class and earned extra credit for our contributions

EXTRACURRICULAR

Founder / Tutor / WebDev

June 2020 – Present

Anatano Kakehashi – USA / Japan (<https://ananokakehashi.github.io>)

- Founded Anatano Kakehashi, a remote 1:1 tutoring service towards Japanese people, to offer applicable English tutoring at an affordable price
- 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: C++, C, Python, Java, Javascript, HTML, CSS, Git, React, Node.js, PostgreSQL
- Languages: Fluent English and Japanese

AWARDS

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