

# JUSTIN S. NAKAMA

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## EDUCATION

### ➤ **University of Southern California**, Viterbi School of Engineering

- B.S. Computer Science

August 2019 - Expected June 2023

## WORK EXPERIENCE

### ➤ **University of Southern California, Bridge Undergraduate Science Program**

Paid Lab Intern | Python

Summer 2018

- Implemented mRNA technique to genetically manipulate proteins.
- Used Python to sort millions of cancer-targeting proteins by nucleotide patterns.

Paid Lab Intern

Summer 2017

- Discovered 4 metabolites from fungi retrieved from the International Space Station in partnership with NASA Space Biology Program.
- Utilized gel electrophoresis and liquid chromatography to identify fungal compounds for medicinal potential.

## PERSONAL PROJECTS

### ➤ **Injury Tracking App**

Lead Developer | Ruby on Rails, HTML/CSS, SQLite, AWS

August 2018 - January 2019

- Designed cross-platform electronic medical database for local high school athletic trainers.
- Created secure design that stores PDFs, images, student medical records, and Excel spreadsheets.

### ➤ **DJ Soundboard App**

Lead Programmer | C#, Unity

May 2018 - July 2018

- Designed playable DJ soundboard with 48 different piano and drum sounds.
- Implemented recording and play-back ability for multi-leveled song recording.

### ➤ **Solar Army Database**

Head Developer | HTML/CSS, Ruby on Rails, SQLite, AWS

January 2018 - April 2018

- Built online app able to record and sort data from catalytic hydrolysis experiments.
- Worked with Caltech as Solar Energy Activity Lab Lead Member to measure electrons from splitting of water.

## AWARDS

### ➤ **National Merit Scholarship Winner**

- Scored in top 0.5% of all PSAT test takers.
- Selected as one of 2500 winners nationwide from approximately 3.5 million PSAT test takers for outstanding academic record and extracurricular activities.

### ➤ **University of Southern California Presidential Scholar**

- Selected as top 0.5% of USC applicants to receive four-year 50% tuition scholarship, early admission to USC Viterbi School of Engineering, and preferential housing.

## CERTIFICATIONS

### ➤ **Coursera: Machine Learning**

- Successfully completed Stanford University 11-week online course on machine learning, datamining, and statistical pattern recognition.
- Implemented linear regression, neural network, support vector machines, and k-means algorithms using MATLAB program.