

# ERIC YANG

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, LOS ANGELES

*Bachelor of Science, Computer Science*

Los Angeles, CA

Expected: June 2024

- Cumulative GPA: 3.97

## EXPERIENCE

### Savioke

Campbell, CA

#### *Software Engineering Intern*

June 2021 –

- Trained machine learning tools for robots to respond to customers
- Launched a program that handles text messages to and from the robot using Twilio API
- Created internal Slack app that allows operations team to manage robot fleet
- Integrated keyword activation for the robot in an Alexa-like style

### Arnold Computational Diagnostics Lab

Los Angeles, CA

#### *Research Assistant*

February 2021 –

- Preprocessing 120+ CT scan files from DICOM to NifTI using dcm2niix library
- Categorizing scans manually to group by similar scan configurations
- Analyzing time since stroke onset time (TSS) using deep learning models
- Adapting existing successful Python model from MRI to CT

### Knovigo

Los Angeles, CA

#### *iOS Developer*

January 2021 – June 2021

- Prepared app to help general population identify safe areas based on COVID-19 regulations
- Illustrated COVID-19 vaccination rates using heatmap on 300+ areas in LA County
- Connected universal front-end interface to back-end endpoints in Swift
- Implemented designer's vision for user interface using constraints

### HealthLevel Inc.

Mountain View, CA

#### *Software Engineering Intern*

June 2019 – March 2020

- Invented company warning system in C# that triggers based on CPU and memory usage on servers
- Introduced front-end CCDA JSON import and export feature for VA Northwest network
- Developed skills in sprint planning using Jira and GitHub tickets

### Boston University School of Medicine

Boston, MA

#### *Research Assistant*

June 2019 – December 2019

- Applied Python libraries to create an MRI patch generation framework
- Annotated on brain MRI scans in DICOM files through 3DSlicer program
- Selected for oral presentation on research and abstract at BU Rise poster symposium

## PROJECTS

### Patch-based training of MRI scans for Alzheimer's disease assessment (at BU School of Medicine)

- Abstract and poster: [ericjyang.com/#mri](http://ericjyang.com/#mri)

### UDrama

- Website that recommends you a Korean drama to watch based off your ratings of previously watched dramas
- Brought designer's vision to life through CSS transformations
- Built using React.js (hooks and linking), HTML, CSS, and Google Sheets API.

### Business Card Reader (MV Hacks Mentors' Best Choice Award)

- Android app that scans and saves information from business cards
- Created using Java and Android Studio
- Won CMU Mentor's Best Choice Award

## SKILLS

- **Languages:** Java, Python, C++, Swift, HTML, CSS, JavaScript
- **Frameworks:** PostgreSQL, React.js, Django, NumPy