

## Ajaypal Singh

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### EDUCATION

#### California State University East Bay

**Graduating** August 12, 2018

BS in Computer Science and Mathematics

- Relevant Coursework: Data Structures; Algorithms; Databases; Machine Learning
- Activities: Computer Science and Engineering club

### EXPERIENCE

#### ClickTime | IT Help Desk

**2016 – Present**

Troubleshoot hardware and software issues for a small, established B2B SaaS company

- Implemented ticketing system
- Build and modify workstations based on client needs
- Assign users and computers to proper groups on active directory

#### Team USA Field Hockey | Athlete

Actively Competing to secure a spot in the 2020 Tokyo Olympics

**2008 – 2016**

- Silver medal in Pan American Games (Junior Olympic Qualifiers)
- Test series against Argentina, Mexico, Chile, Canada

### PROJECTS

#### Computer Vision Project

Image segmentation project that classifies objects

- Implemented FCN to classify each pixel with 21 categories
- Used VGG-16 pre-trained weights because of model complexity
- Jupyter Notebook, Keras, Numpy

#### Notification Web Application

Send out large group messages

- Allow users to add/delete numbers into database
- Reduced load times by 20%
- Django, MySQL, HTML, CSS, JavaScript, twilio API

#### Note-Taking Web Application

Emulates leaving notes on a refrigerator door

- Add/Delete/Modify current notes on refrigerator door
- Enable users to enter notes in markdown text
- Node.js, Express, Handlebars, HTML, CSS, NeDB, Webpack

### Languages and Technologies

- Proficient in: Python
- Intermediate: Java and C++
- Frontend Skills: HTML, CSS, JavaScript
- Databases: MySQL
- Version control: Git