

# Frank Pol

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## Education

### University of Southern California

May 2020

- Viterbi School of Engineering: Computer Science Major
- Engineering Honors Program
- Presidential Scholar (Half-Tuition Scholarship)

GPA: 3.13

## Skills

**Languages:** Java, Javascript, C++, C#, Python, HTML, MYSQL

**Technologies:** AWS, TensorFlow, jQuery, Ajax, Bootstrap, Less, Sass, Gson, Node.js

**Programs:** Netbeans, Eclipse, Dreamweaver, Atom, Slack

## Experience

**Media Informatics and Content Analysis Lab** - Research Engineer Jan 2017 - Present

- On MICA team, collaborating with PhD students and professors to develop tools and algorithms to analyze social networks and media.

**Omniangle Technologies, LLC.** - UI Developer

Oct 2015 - July 2017

- Collaborated with senior managers and designed complex mobile applications, web tools for employees, and marketing collateral.

## Projects

### Animated Character Classification model

- Used TensorFlow to develop a neural network to differentiate between characters and non-characters in animated movies

### Character speech annotation tool

- Developed a fast and accurate MTURK tool that aids in annotating example videos for comparison against Automatic Content Analysis networks

### Custom Content Management System

- Created a Json based CMS using Java Servlets and JSPs. This has since been applied to sail.usc.edu/mica/