

# WILLIAM WEIHNACHT

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## EDUCATION

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**University of Maryland, College Park**  
Bachelor of Science, Computer Science  
With studies in Anthropology

*September 2015 - Expected May 2020*

## ABOUT

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Born and raised in San Francisco, Will was introduced to programming in 8th grade and has been passionate about the field ever since. Currently as a senior in College his main areas of interest and expertise lie in web development, data science, and image processing. He has a strong work ethic, works well with others, is jovial, and down to earth.

## PROJECTS

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### **Gaussian color segmentation**

In this project I used both a single Gaussian and Gaussian mixture model to train a classifier to identify an orange ball in a series of images where the ball is placed at different distances and subsequently estimate those differences. This project was developed with intent to be used by the school robotics team.

### **E-sports Data analysis**

For this study on professional League of Legends I gathered and analyzed information the League of Legends pro scene to determine the most prevalent trends in this multi-million-dollar industry. I also used machine learning to make a model of the most influential variables for predicting who would win a match.

### **Whirpl - a social media site**

A website I worked on along with peers to create an anonymous messaging board akin to the ubiquitous YikYak/Whisper with the added restriction that it is only available to students at my school. We used a waterfall methodology along with Git to create and add features and fix bugs.

### **PRAW API data aggregation and analysis**

A python script that uses Reddits API (PRAW) to aggregate posts, finding the most commonly occurring words and ranking them by use, then discarding filler words to identify trending subjects on the popular social media site on a daily basis.

## SKILLS

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### **Programming Languages**

Java, Python(Pandas & Flask), JavaScript, SQL, HTML/CSS

### **Familiar Languages**

React, NodeJS, Ruby, C, Matlab, OCaml, Prolog

### **Other Tools**

Docker/Jupyter, Git, Postman, Adobe Photoshop & After Effects

## WORK EXPERIENCE

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### **Roxie Film Theater**

June 2016 - August 2016

*IT/Intern*

- During my tenure I provided troubleshooting for IT issues and corresponded with customers and clients to represent the company. This experience familiarized me with the experience of working at a small business and taught me accountability and autonomy.