

# Trevor M. Holt

Computer science graduate seeking entry level software developing position. Proficient in C++ and OOP principles, as well as Python and Machine Learning practices. Experience in a leadership position and able to succeed in a collaborative work environment.

## Contact

679 Gayley Ave. Apt 106  
Los Angeles, CA 90024  
(925) 895-0947  
trevholt1220@gmail.com

## Education

University of California,  
Los Angeles (2016- 2020)  
Computer Science, B.S.

## Technical Skills

C • C++ • Python • SQL  
Java • HTML •  
Machine Learning • Data  
Mining • Matlab • Simulink

## Coursework

Data Structures  
Algorithms  
Machine Learning  
Data Mining  
Artificial Intelligence  
Operating Systems  
Computer Networking  
Programming Languages  
Automata Theory  
Data Science

## Projects

### Bruin Assist (2018)

Web application for students interested in transferring to UCLA, providing course information for different majors and community colleges.

**Responsibilities:** Backend (User Database using Ruby on Rails and SQL)

### Professor Review (2019)

Uses web scraping across different teacher rating websites (BruinWalk, RateMyProfessors) to find the most common tags for UCLA professors, including difficulty, kindness, and course value.

**Github:** <https://github.com/tholt1220/ProfessorReview>

### CNN-Powered Image Registration (2019)

Adaptation of Convolutional Neural Network Machine Learning model for image registration of cancer slide images.

**Report:** <https://drive.google.com/file/d/1qX8GK3Xq7GgK2rCNgsUV8fCmP-td1uXE/view?usp=sharing>

### Movie Rating Predictor (2019)

Using Data Mining Techniques (AdaBoost, SVD) on IMDb information and user ratings to predict how individuals will rate unseen movies.

**Github:** <https://github.com/tholt1220/MovieRatingPredictor>

### Swipr (2019)

Android social application to match UCLA students who are buying/selling dining hall swipes on a secondary market.

**Responsibilities:** Frontend (Google and Facebook Authentication, UI design and implementation)

**Github:** <https://github.com/lucamatsumoto/swipr>

### Tempol (2020)

Uses beat detection algorithm to convert mp3 file to specific tempo. Developed to aid practicing musicians to lineup songs with a metronome. Web app developed using HTML, Javascript, and Flask

**Github:** <https://github.com/tholt1220/Tempol>

## Work Experience

### Rowland High School | Drumline Educator (2019-Present)

Battery Technician and Bass Drum Specialist

Designer and instructor of music and visual design for world class percussion ensemble

## Activities

### LikeLion at UCLA | Member (2018-2019)

Web based application building (HTML, CSS, JQuery, Ruby/Rails)

### Drum Corps International | Concord Blue Devils (2011-2019)

Three-time DCI World Champion, six-time finalist

Took on leadership position for nineteen-time world championship group

### Winter Guard International | Broken City, RCC (2017-Present)

2017 Silver Medalist, 2018 Bronze Medalist

### Pleasanton Senior Center | Volunteer (2015-2017)

Designed layout/updated information for digital signage

Technical Support for residents (iPhone Tutoring, etc.)

### UCLA Nikkei Student Union | Member (2018-Present)

Community and Culture Club for Japanese American students at UCLA