

# Thant Zin Oo (Andy Shen)

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## EDUCATION

**University of California, Los Angeles (UCLA)**

Expected June 2022

B.S. Computer Science

- GPA: 3.7

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Software Construction, Operating Systems Principles, Discrete Mathematics, Linear Algebra

## SELECTED PROJECTS

**LA Hacks 2019, Veritas Fake News Detection**

March 2019

- Leveraged Taboola's native API to scrape news articles, sorted by trending categories
- Applied sentiment analysis machine learning algorithms to batches of similarly grouped articles
- Received the 'Best Use of Taboola Trends API' award, for our fake news detection protocol

**Genome Matcher**

March 2019

- Implemented a trie-based DNA library, capable of storing genomes up to three million bases long
- Developed search functionality for exact and single nucleotide polymorphic sequences in linear time
- Designed a matching algorithm to identify genomes within a user-specified similarity threshold

**UCLA Hack on the Hill 6, Graduate Admissions Success Predictor**

February 2019

- Trained a feature-normalized gradient descent model using numpy's matrix multiplication functionality
- Predicted admissions success, based on inputs: such as GPA, GRE scores, university ranking etc.
- Received the 'Best Machine Learning Hack' award, for achieving a predictive accuracy > 90%

## RELEVANT EXPERIENCE

**Kanaung Hub Incubation Center, Software Engineering Intern**

June 2018 – August 2018

- Developed a python test framework with unittest for a Raspberry Pi-based portable karaoke player
- Studied minimalist logo and UI design principles, as well as basic animation, with Photoshop
- Designed concept mockups for mobile/web developers, improving their development productivity

## TECHNICAL SKILLS

**Programming Languages**

- Python: RSS feed parser with composite trigger support; CSV file generator for list input
- C++: ZombieDash, a 2D multi-agent game featuring weapons and consumables; DFS and BFS maze solver
- C: non-canonical duplex terminal with polled I/O
- Bash: recursive search for misnamed files/directories
- HTML, CSS, JavaScript: personal website (link in header); HTML scraper with python bs4 module
- Octave: regularized logistic regression model for microchip QA; linear regression housing price prediction

## ADDITIONAL EXPERIENCE

**Bruin Visual Arts Club, General Member**

December 2019 - Present

- Joined the Wooden Mural Project, to create a three-panel mural in the John Wooden Center
- Attended weekly studio sessions, painting with a myriad of gouaches, acrylics and oils

**American Brain Tumor Association 5K Fundraiser, Volunteer**

October 2019

- Assembled event furniture, including sponsor tents, tables, chairs and an inflatable brain

**Yangon Aegis Championships, Co-organizer**

November 2017 – January 2018

- Hosted and oversaw match scheduling for the largest amateur DOTA 2 tournament to date in Myanmar
- Negotiated and secured sponsorship deals with: Acer, Myanmar Net, Life Square and Royal-D