

# 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 Systems and Architecture; Software Construction Laboratory; Operating Systems Principles; Discrete Mathematics; Linear Algebra

## TECHNICAL SKILLS

- Programming Languages: C, C++, Python (**proficient**) | HTML, CSS, JavaScript, Bash (**intermediate**)
- Computer Software: Octave, Adobe Photoshop, Git (**proficient**)
- Spoken Languages: English, Mandarin (**fluent**) | Burmese (**conversational**)

## SELECTED PROJECTS

**LA Hacks 2019, Veritas**

March 2019

- Leveraged Taboola's native API and bs4 to scrape news articles, sorted by trending categories
- Applied sentiment analysis ML algorithms within batches of grouped articles to filter possible fake news
- Received the 'Best Use of Taboola Trends API' award

**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 an identification algorithm to select genomes within a 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 (with accuracy > 90%) admissions success based on inputs such as GPA, GRE scores, etc.
- Received the 'Best Machine Learning Hack' award

## RELEVANT EXPERIENCE

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

June 2018 – August 2018

- Developed python test framework for a Raspberry Pi-based portable karaoke player
- Studied minimalist logo and UI design principles, as well as basic animation, with Photoshop
- Collaborated with web/app developers to design concept mockups for potential projects

## ADDITIONAL EXPERIENCE

**Yangon Aegis Championships, Co-organizer**

December 2017 – January 2018

- Hosted the largest amateur DOTA 2 tournament in Myanmar, in terms of prize pool and participating teams
- Negotiated and secured sponsorship deals with: Acer, Myanmar Net, Life Square and Royal-D
- Oversaw venue reservation and match scheduling for all three days of the tournament
- Setup live broadcasting channels on YouTube and Facebook; provided live commentary and draft analysis

**Bruin Visual Arts Club, General Member**

December 2019 -

- 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, watercolors and oils

**UCLA Backpacking Club, General Member**

November 2019 -

- Hiked with professors and students across trails within the Greater Los Angeles area
- Assessed footpaths on the basis of safety and efficiency, through prior experience and judgment