Andy Tang

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EDUCATION

University of California, Los Angeles — Los Angeles, California
Bachelor of Science in Computer Science and Engineering — *Oct. 2020 – June 2024*
GPA: 4.0
Selected Coursework: Multivariable Calculus, Linear Algebra, Introduction to Discrete Structures, Intro to CS

Berkeley Full Stack Bootcamp — Online
Online — *July 2020 – Jan 2021*
- A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

EXPERIENCE

Research Intern — Mar 2020 – Nov 2020
Stanford University Aghaeepour Lab — *Palo Alto, CA*
- Coauthor of paper to be submitted to Nature Communications
- Developed machine learning models on cellular and EHR data to predict the development of preeclampsia in early stages of pregnancy using R with a top AUC accuracy of 0.95
- Identified correlations between key immune, protein, metabolite, and EHR features, providing biological insight into the development of preeclampsia
- Created plots to visualize high-dimensional cellular data and gene ontology pathways using various R packages

Computer Science Instructor — Jul 2019 – Aug 2019
Alphastar Academy — *Santa Clara, CA*
- Taught USACO programming classes in Java, C++, and Python for 15 middle and high school students
- Lectured on algorithms and data structures and explained problem solutions
- Collaborated with other teachers to expand curriculum and create online solution videos

PROJECTS

Free Thinkers | https://github.com/Srikar2020/Free-Thinkers
- Full-Stack application developed for free thinking people who want to use our forum to think and create posts. Users can create, edit, and view posts sorted by the topic of the users choice.
- Tools/Languages: Node.js, Express.js, MongoDB, CSS, Git

Weather Dashboard | https://github.com/andytang02/weather-dashboard
- A website which allows users to search cities in order to view their current and future weather forecasts with a persistent search history
- Tools/Languages: HTML, CSS, Javascript, Bootstrap, Git

React Portfolio | https://github.com/andytang02/react-portfolio
- Personal portfolio showcasing my bio, projects, contact info, and resume
- Tools/Languages: MongoDB, Express.js, React, Node.js, Git

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R
Libraries/Frameworks: Node.js, Express.js, MongoDB, React, MySQL, jQuery, Bootstrap, Keras, scikit-learn

AWARDS

USACO Finalist
- 1 of 25 high school students nationwide invited to the National Training Camp

USAJMO Qualifier
- Qualified 3 times from 2016-2018. Placed Top 50 nationwide in 2018.