

Ziyi (Andy) Peng

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Education

- Sept. 2018
- June 2022 University of California, Los Angeles
B.S. Computer Science and Engineering • GPA: 4.00
- Coursework (taken and current): Intro to CS I & II (Intro to C++ & Data Structures/Algorithms), Multivariable Calculus, Linear Algebra, Discrete Structures
- Misc. Activities: ACM, Running Club
- Aug. 2014
- June 2018 Foothill High School - Pleasanton, CA
Valedictorian • GPA: 4.59 W, 4.00 UW
- Activities: Math Club (President), MathCounts Coach Club (VP, Volunteer Coach)

Experience

- June 2018
- Aug. 2018 Wynd Technologies, Inc. - Redwood City, CA
Backend Software Development Intern, Intern Team Lead
June 2017
- July 2017 - Doubled extent of company's dynamic air quality database, implementing additional coverage for pollen and weather data
- Maintained Node.js/MongoDB scraping backend, updating scripts to ES6 and writing company tutorials and documentation
- Onboarded and trained 3 new interns
- July 2017
- June 2018 Perception Science Internship - Berkeley, CA
Program Participant, Research Assistant
- As a group of 4, coded and reported on 2 experiments using MATLAB
- Designed JavaScript-based interactivity for several Qualtrics surveys and maintained the website for a longer-term experiment

Activities/Honors

- Sept. 2018
- Present Unmanned Aerial Systems at UCLA (UAS@UCLA)
Vision Subteam
- Working on improving machine learning models using CNNs for target identification/obstacle detection; results will ultimately be tested on a drone in the annual AUVSI SUAS competition
- Refactored Python/Socket.IO vision server to implement modularity
- Sept. 2018
- Present Bruin Spacecraft Group
Project Spartan Software Subteam, Admin Team
- Working on a testing system for this year's modular payload/avionics cubesat
- Helping maintain club website (bruinspace.com) using Handlebars templating
- Spring 2016/17 USA Mathematical Olympiad Qualifier
- Spring 2017 USA Computing Olympiad - Platinum

Skills

- Languages Java, Python, C++, HTML/CSS, JavaScript/Node.js, MATLAB, LaTeX
- Other Git, Socket.IO, Handlebars, MongoDB, Qualtrics