

Allen Chang

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EDUCATION

- University of Southern California**, Los Angeles, CA August 2020 - Present
Bachelor of Science in Computer Science GPA: 3.966
Bachelor of Science in Applied and Computational Mathematics
• **Relevant Coursework:** Data Structures & Object Oriented Design | Discrete Methods in CS | Calculus III
- Saratoga High School**, Saratoga, CA August 2016 - June 2020
• **Relevant Coursework (AP):** Computer Science | Calculus BC | Statistics | Physics 1 & 2 GPA: 4.500

WORK EXPERIENCE

- Student Researcher** September 2020 - Present
USC Interaction Lab | Los Angeles, CA
• Design recurrent classification models for infant affect during infant-robot dyadic interactions as part of a broader effort to understand how infant-robot interactions can promote early exploratory motor movements
• Perform different methods of feature subset selection for complexity reduction
- CAIS++ Curriculum and Project Member** June 2020 - Present
USC Center for Artificial Intelligence's Student Branch | Los Angeles, CA
• Create convolutional, recurrent, adversarial, and other AI models for academic datasets including the MNIST and UCI Heart Disease Dataset
• Convert open-source tweets into vectorized word-embeddings for recurrent LSTM model fitting
- iOS/Swift Intern** June 2020 - September 2020
Archanics | Remote
• Developed & delivered macOS and iOS middle-map applications, including road and weather data, to the App Store

LEADERSHIP

- E-Board, USC Association for Computing Machinery (ACM)** September 2020 - Present
Operations Chair (December 2020 - Present)
Events & Mentorship Coordinator (September 2020 - November 2020)
- Secretary, SHS Artificial Intelligence Club** August 2019 - June 2020
- Teacher's Assistant, Silicon Valley Youth** August 2019 - December 2019

SKILLS

Languages: C++ | Python | Java | Swift | Javascript | HTML | CSS
Machine Learning: Scikit-learn | Keras (Tensorflow) | Pandas | Core ML
Cloud Computing: GCS (AI Platform, IAM, App Engine | Firebase (DB, Auth, Storage) | AWS (Lightsail)
Version Control: Git | Perforce

AWARDS

2020: #1 MissionHacks Best Hack | SHS High Honors | National AP Scholar | SHS Scholar of Distinction
2019: Triple E Award: French | Concours de Poésie

PROJECTS

- Personal Website** | cylumn.com (NodeJS, Pug, Sass, HTML, CSS) August 2016 - Present
Grumble (Swift, Python, Keras (Tensorflow), GCS, Firebase) April 2020 - June 2020
and more! Please visit my cylumn.com for more of my past projects.