John Dang

johndang.me | San Jose, CA
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EDUCATION

UCLA
BS in Computer Science and Engineering
2018-2022 | Los Angeles, CA
College of Engineering
UCLA Achievement Scholarship Recipient
GPA: N/A (Currently a Q1 Freshman)

EVERGREEN VALLEY HIGH SCHOOL
Grad. May 2018| San Jose, CA
Valedictorian
Cum. GPA: 4.31 / 4.0

LINKS

LinkedIn:// **johnamqdang**
Github:// **jamqd**
Facebook:// **jamqd**
Personal Site://**johndang.me**

EXAM SCORES

AP
Computer Science A: 5 / 5
Calculus BC: 5 / 5
Calculus AB: 5 / 5
Statistics: 5 / 5
Physics C Mechanics: 5 / 5
Physics C E and M: 4 / 5
US Government: 5 / 5
World History: 5 / 5
Macroeconomics: 4 / 5
English Language: 5 / 5

OTHER
ACT: 35 / 36
SAT Math 2: 800 / 800
SAT Physics: 800 / 800

SKILLS

PROGRAMMING
Python • Java • Javascript
MatLab • Octave • C++

TOOLS AND TECHNOLOGIES
Git • Bash • Jupyter Lab/Notebook
jQuery• Bootstrap • TensorFlow
HTML • CSS • Google Colab
Keras

FLUENT LANGUAGES
English • Vietnamese

EXPERIENCE

EVHS ROBOTICS | FRC Lead and FTC Secretary
2015-2018 | San Jose, CA
- Led mechanical design and teaching initiative for new members in First Robotics Competition (FRC) team
- Worked on computer vision with OpenCV for detecting location of boxes with webcam for FRC game
- Organized meetings and documentation binder for First Technology Competition (FTC) team
- Worked on mechanical, electrical, and software components of robots in FTC and FRC teams

UC DAVIS COSMOS | Student
Summer 2017 | Davis, CA
- Performed experiments on electronics, interferometry, and optics guided by professors
- Learned about physics behind modern technologies from professors
- Completed report and presentation on superconductors

BOYS AND GIRLS CLUB OF SILICON VALLEY | Volunteer
2016 -2018 | San Jose, CA
- Taught STEM topics to economically disadvantaged children in community through interactive hands on labs
- Led and created labs on physics topics

ACTIVITIES

INDEPENDENT COURSEWORK (Certificates on LinkedIn)
Coursera
Machine Learning by Stanford University
Deep Learning Specialization by deeplearning.ai (5 Courses):
> Neural Networks and Deep Learning • Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization • Struturing Machine Learning Projects • Convolutional Neural Networks • Sequence Models

edX
6.00.1x: Introduction to Computer Science and Programming Using Python by MITx
6.00.2x: Introduction to Computational Thinking and Data Science by MITx

HIGH SCHOOL ACTIVITIES (EVHS)
2014 – 2018 | San Jose, CA
Robotics (FRC Lead and FTC Secretary) • Water Polo (Varsity Starter) • Math Club (Competitor) • Science National Honor Society (Momentum Lab and Hackathon Volunteer) • Swimming (Athlete) • Debate (Varsity Parliamentary Debater)• Quiz Bowl (Participant)

AWARDS AND PROJECTS

2018	EV Hacks Most Useful Hack for building Java web app that finds two new articles most likely to differ in perspective on a user search query
2018	EV Hacks Best App for building Android App that shows book information in Augmented Reality when camera viewfinder detects a known book cover
2018	FRC team qualification to FRC World Championships in Houston, Texas
2018	FRC Engineering Inspiration Award
2017	Built Java PC game based on the board game Mastermind
2016	Built Java web app that helps organize court usage for sport tournaments