

# Chuan Chen

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## Education

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- University of California, Los Angeles
- B.S. in Computer Science, Expected Spring 2021

## Experience

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- Software Development Intern, OpenCircuitDesign.com (Summer 2017)
  - Wrote Cairo-based graphics module to replace OpenGL-based graphics interface for *Magic*, an open-source VLSI layout tool
  - Enables use of *Magic* through VNC connection at efabless.com
- Research Intern, University of Maryland, Computer Science Department (Summer 2016)
  - Human Computer Interaction Lab (Makeability Lab) – Project HandSight
  - Co-author of *Recognizing Clothing Colors and Textures Using a Finger-Mounted Camera: An Initial Investigation* submitted to *2017 ACM SIGACCESS Conference on Computers and Accessibility*
  - Created prototype color and pattern identifier to help individuals with visual impairments obtain information about clothing
  - Designed and 3D printed camera mount to fasten sensor array onto finger for gesture recognition and on-body interaction
  - Developed of proof-of-concept applications utilizing on-body interaction gestures
- Research Intern, University of the District of Columbia, Mechanical Engineering Department (Summer 2015)
  - Co-author of *Experimental Study of Thermal Transport in Nanoemulsion Heat Transfer Fluids* submitted to the *American Society of Mechanical Engineers 2016 HT/FE/ICNMM*
  - Ran experimental trials investigating flow boiling and thermal dissipation properties of nanoemulsions in minichannels
- Assistant Coach, US Chinese Wushu Institute (2011 – 2017)
  - Helped students of various ages develop confidence, discipline, and respect through the instruction of Chinese martial arts
  - Choreographed and performed at the Kennedy Center - *Paul Robeson: On My Journey Now!* event

## Technical Skills

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- Proficient in: Python 3, Java, C#, BASIC
- Experience with: C, JavaScript, HTML/CSS, Arduino, Android Development

## Selected Projects

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- PuzzleFighter - C# implementation of Puzzle Fighter, a tile matching game
- MMAStats - JavaScript-based web scraper that retrieves historical MMA bout data
- Github: <https://github.com/riverchen99/>