Ziheng Xu (Lawrence)

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EDUCATION

University of California, Los Angeles   Expected: June 2020
B.S., Computer Science
Relevant Coursework: Algorithm and Data Structure | Operating Systems Principles | Computer Networks |
Compiler Construction | Data Mining | Computer System Architecture | Logic Design of Digital Systems

TECHNICAL SKILLS

Programming Languages: Proficient in C++, C, Swift, Python, OCaml, Prolog, Lisp-Scheme, Java, JavaScript, Verilog
Tools: OpenCL, Raspberry Pi, AutoCAD, Git, Unity, Photoshop
Languages: Fluent in Mandarin

ENGINEERING PROJECTS

- **Co-Founder | Cardiano**   April 2018 — Present
  - Develop the idea, led a team of 6 people, and built a modular, economical, full-scale Bluetooth Piano made out of Cardboard Boxes and single-board computers within 4 weeks. Plan to raise funds on Kickstarter.

- **Chief Technology Officer | Agora Startup Company**   September 2018 — Present
  - Co-founder of Agora; Design an iOS application called Airlas that helps students living around UCLA campus rent out their spare parking spaces with ease during school events when the demand for parking spots exceeds the supply. Plan to launch test product by Mid November 2018 and collect enough user data and feedback for improvements in second version.

- **Research Assistant & Data Analyst | 3D CNN Brain Lesion Segmentation Research.**   March 2018 — July 2018
  - Compared the training results among different 3D CNN Deep Learning methods including Keras and 3DUnet on detecting brain lesions through three dimensional MRI Brain images collected from Ronald Reagan Medical under the supervision of Professor Fabien Scalzo, and delivered a poster presentation at UCLA with the results we found.

- **ACM NetSec Capture the Flag Competition**   May 2018
  - Participated in this cybersecurity competition with challenges involving SQL injection, password cracking, reverse engineering and so on. Ranked 8 out of a total of 30 teams.

- **Team Leader | LA HACKS**   March 2018 — April 2018
  - Created an iOS application called HungryBruins that helps UCLA students deliver food for each other. They can earn points by delivering food to others and those points can be used later when food delivery from others is wanted.

TECHNICAL WORK EXPERIENCE

- **Apple Certified Mac Technician | Apple Service Provider**   March 2018 — Present
  - Conduct troubleshooting, diagnostics, and repairs. Performing software, data retrieval and hardware repairs on Macintosh computers. Answer technical questions and solve computer related issues in the Apple Campus Store at UCLA.

- **Apple Sales Representative | UCLA Computer Store**   June 2017 — March 2018
  - Specialized in Apple Sales; Greeting and invoicing of customers as well as answering phones; Using Mac computers in administrative support of the Computer Store in Ackerman. Resolved issues regarding Exchanges and Returns.

ACTIVITIES

- **Mentor | UCLA Henry Samueli School of Engineering MentorSEAS**   September 2018 — Present
  - Guide incoming Engineering students in getting used to life at UCLA. Provide academic advice and support by educating mentee on various resources available on campus.