Hao Chuan (Jordan) Lei

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Skills

- **Computer Languages:** Java, Python, Tensorflow, Keras, C, MATLAB, OCaml
- **Other:** Deep Neural Networks, Debugging, Object Oriented Programming

Education

- **University of Pennsylvania** — Philadelphia, PA

  Jerome Fisher Program in Management & Technology, GPA: 3.97 — *Sept. 2016 – Present, Class of 2020*

  Computer Science, School of Engineering and Applied Sciences, Dean's List
  Finance, Wharton School of Business, Dean's List

  Relevant Coursework: Introduction to Data Structures and Algorithms | Programming Languages and Techniques | Introduction to Computer Architecture | Automata, Computability, and Complexity | Discrete Math | Linear Algebra | Corporate Finance | Calculus-based Microeconomics | Introduction to Accounting | Introduction to Management | Management: Leadership in Groups

- **Westview High School** — Portland, OR

  Valedictorian, 1st of 603, GPA: 4.7 — *Sept. 2012 – June 2016, Class of 2016*

  National Merit Scholar, Presidential Scholar Semifinalist, National AP Scholar

Experience

- **University of Pennsylvania** — Philadelphia, PA

  Research Intern — Supervisor: Dr. Vijay Balasubramanian, Ph.D — *May 2017 - Aug 2017*

  - Research funded as part of Penn Undergraduate Research Mentoring Program (PURM), a competitive research mentoring program at the University of Pennsylvania.
  - Used Deep Learning to infer the architecture of the visual pathway. Analyzed effectiveness of Deep Neural Networks as a model for visual processing in the brain.
  - Implemented Deep Neural Network architecture using Tensorflow and Keras using Python. Modeled visual stimuli and retinal behavior using MATLAB. Presented findings at CURF Research Exposition.

- **Carnegie Mellon University** — Mountain View, CA

  HiFiV Project Intern — Supervisor: Dr. Pei Zhang, Ph.D — *June 2015 - Aug 2015*

  - Conducted and performed research on the use of footstep-induced vibrations on occupant monitoring and detection. Designed and built sensor platform and mounting model for 3D printing.
  - Performed Fourier Transform and Cross Correlation Analysis using MATLAB. Co-authored 2 papers (publication pending) and created a mounting model to be patented (pending).

- **Oregon Health and Science University, Pediatric Cardiology** — Portland, OR

  Research Intern — Supervisor: Dr. David Sahn, MD — *June - Aug 2013, June - Aug 2014*

  - Studied effect of rotation on global strain. Collected data using Toshiba Transducer; analyzed the data using UltraExtend 4-D echocardiography package; performed statistical analysis on the data.
  - Co-authored 3 publications, Presented findings at American College of Cardiology Conference (ACC) 2015 poster session. The scientific findings were published in the Journal of ACC May 2015 issue.

- **Oregon State Senate** — Salem, OR

  Intern, Job Shadow — Supervisor: Senator Elizabeth Steiner-Hayward, MD — *May 2015*

  - Job Shadowed for State Senator Steiner Hayward. Studied implementation of health care policy-making. Recognized on Senate floor for contributions in May 2015.
  - Wrote legislation regarding recognition of Spc. John Alexander Pelham. Legislation adopted in 2015 by House and Senate under 78th Oregon Legislative Assembly.

Miscellaneous

- **Art:** Expert in Traditional Media: Oil, Acrylic, Watercolor, Pastel, Colored Pencil. Expertise in Digital Media: Photoshop. Recognized on State and National level. Portfolio: http://www.jordanlei.com/art.html
- **Swimming:** Swimming for 10 years. Recognized on the State Level. Current member of Penn Club Swim. Former member of Thunderbolt Swim Team in Portland, OR.
- **Consulting:** Experience in consulting with data analytics focus. Class consulting project for Bianca's Kids, the State Charity for New Jersey. Member of Wharton Undergraduate Data Analytics Consulting Club.
- **Piano:** 10 years of experience. Achieved Level 10 Syllabus with Honors. Recognized on State Level.
- **Other Interests:** Science Olympiad, Quiz Bowl, National Honors Society, Speech and Debate.