# Hao Chuan (Jordan) Lei

jordanlei.com

Email : jordanlei.work@gmail.com

Mobile : 503-516-5516

## Education

**University of Pennsylvania** — Philadelphia, PA

*Jerome Fisher Program in Management & Technology, GPA: 3.86* — *May 2020*

**Bachelor of Science in Economics, Finance**, The Wharton School

**Bachelor of Science in Engineering, Computer Science**, School of Engineering and Applied Sciences

Relevant Coursework: Corporate Finance | Microeconomics | Introduction to Accounting | Introduction to Management | Statistics | Algorithms | Automata, Computability, and Complexity | Discrete Math | Linear Algebra

**Westview High School** — Portland, OR

*Valedictorian, 1st of 603, GPA: 4.7* — *June 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 - Present*

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 DNN architecture using Tensorflow and Keras. Modeled visual stimuli and retinal behavior using MATLAB. Presented findings at CURF Research Exposition. Research funded as part of Penn Undergraduate Research Mentoring Program (PURM), a competitive research mentoring program at the University of Pennsylvania.

**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 for occupant monitoring and detection. Designed and built sensor platform and mounting model for 3D printing (patent pending). Performed Fourier Transform and Cross Correlation Analysis using MATLAB. Co-authored 2 papers (publication 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.

**Oregon State Senate** — Salem, OR

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

Shadowed State Senator Elizabeth Steiner Hayward. Studied implementation of health care policy-making. Wrote legislation in recognition of Spc. John Alexander Pelham, adopted in 2015 under 78th Oregon Legislative Assembly.

## Projects

**Wharton Analytics Fellows** — Philadelphia, PA

*Wharton Undergraduate Data Analytics Club* — *Sept 2017- Dec 2017*

Used Machine Learning and Data Analytics to forecast revenues for client. Worked in a collaborative team environment to bring insights into revenue generation and future steps for our client. Revenue model was generated using a combination of python and R.

**Class Consulting Project** — Philadelphia, PA

*Bianca's Kids, MGMT 100* — *Sept 2016- Dec 2016*

Streamlined processes and evaluated data analytics platforms for Bianca's Kids, the state charity of New Jersey.

## Miscellaneous

**Publications:** 3 publications in Journal of American College of Cardiology, to be found on website.

**Clubs:** Wharton Analytics Fellows, Penn Club Swim

**Computer Languages:** Java, Python, Tensorflow, Keras, C, MATLAB, OCaml

**Interests:** Art, Piano, Swimming, Science Olympiad, Quiz Bowl, National Honors Society, Speech and Debate.