

Francis Lin

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EDUCATION

University of California, Los Angeles (UCLA)
B.S. Bioengineering

Anticipated Graduation: June 2018
GPA: 3.6

RESEARCH EXPERIENCE

pasCARE Startup; UCLA
Co-founder, CFO

Jan 2016 - Present

- Launch medical device startup that reduces pressure ulcer formation via preventative monitoring
- Design device with sensors that evaluate multiple patient physiological measurements
- Devise market research strategy to measure interest of 700 care facilities and facilitate product design
- Gained valuable insight on business operations, workflow management, and team dynamics
- Won \$100,000 Lowell Milken Institute-Sandler Prize for New Entrepreneurs

Professor Aydogan Ozcan Research Group; UCLA Electrical Engineering Dept.
Howard Hughes Medical Institute Undergraduate Researcher

Oct 2015 - Present

- Researched bovine sperm motility to explore fertility and dynamics biophysics for micro-swimmers
- Designed new experimental protocol to load sample chamber, reducing failure rate from 40% to 5%
- Collected and analyzed over 2,000 data sets with team members using lens-free 3D imaging methods
- Produced sperm trajectory maps in MATLAB environment

Secondary Student Training Program; University of Iowa
Research Intern under Dr. Heather Bartlett

June 2012 - July 2012

- Researched genetic causes of Thoracic Aortic Aneurysms and Dissections
- Investigated N115T and R116Q mutations in the ACTA2 gene and analyzed their effects on cell growth curves, doubling times, and stress condition growth

LEADERSHIP

Biomedical Engineering Society; UCLA
Industry Chair

Oct 2014 - Present

- Delegate tasks to Industry Committee to organize 4 – 5 company information sessions every quarter
- Evaluate past events in weekly board meetings and recommend improvements for future events

WORK EXPERIENCE

Engineering Science Corps Outreach Programs; UCLA
Clerk

Oct 2014 - Present

- Specialized in contacting recruiters, disseminating open positions to 5000 UCLA Engineering students
- Doubled job/internship postings from 120 postings to over 250 postings
- Collaborated with ESC summer program supervisors and team to organize and process 2,500 documents from 300 applications for HSSRP and 200 applications for Tech Camp

SKILLS

- **Computer Programs:** C++, MATLAB, AutoCAD, HTML/CSS, Excel, Word, PowerPoint
- **Circuitry:** Circuit assembly and debugging, breadboarding, soldering, microcontrollers