

# Leon Wang

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## EDUCATION

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- **Princeton University** Princeton, NJ  
*Ph.D. Candidate in Chemical and Biological Engineering; GRE: 168Q, 162V* Sept. 2016 – Present
- **University of Michigan** Ann Arbor, MI  
*B.S.E in Biomedical Engineering; GPA: 3.92; Summa Cum Laude* Sept. 2012 – May. 2016

## LEADERSHIP AND TEAMWORK

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- **President** Princeton, NJ  
*Princeton Graduate Consulting Club* March 2018 – Present
  - **Volunteer Consulting Initiative:** Developed collaborations and set up 5 consulting projects with VC, Biotech, Healthcare and Education firms. Managed recruitment of over 40 talented students and experienced consulting advisors to staff VCI projects.
  - **National Consulting Chapter:** Founded initiative and spearheaded development of a national chapter of graduate consulting. Motivated 18 top universities to participate in development of a national chapter website and future joint case competitions.
  - **Princeton Graduate Case Competition:** Organized case competition event for over 100 students, judges, and sponsors. Obtained over 10K in sponsorship from consulting firms.
- **Co-Founder** Princeton, NJ  
*StartupReview* June 2018 – Present
  - **Review Articles:** Authored and edited daily articles on startups in biotech, healthcare, education, agriculture. StartupReview articles present the latest breakthroughs in a concise and digestible format for general audiences.
- **Chair and Founder** Ann Arbor, MI  
*Student Advisory Board- Office of Career Services* May 2013 – March 2016
  - **Engineering Career Fair:** Organized company outreach for the engineering department's bi-annual career fair. Achieved attendance of 261 employers (30 more than the previous year) and hundreds of students
  - **Orientation Group Leader:** Led orientation groups for more than 1300 incoming students throughout the summer and advised on career plans and course selection

## RESEARCH AND PROFESSIONAL

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- **Computational Modeling Intern** Bend, OR  
*Lonza Pharma and Biotech* June 2018 – Sept 2018
  - **Statistical Simulations of Drug Processing :** Developed algorithms to simulate temperature profiles of various drug manufacturing techniques. Combined this information with drug stability data to design optimal formulation processing steps.
- **Graduate Research Assistant** Princeton, NJ  
*Princeton University — Advisor: Dr. Robert Prud'homme* Sept 2016 – Present
  - **Nanoparticles for Cancer Diagnostics:** Investigated and designed nanoparticle contrast agents synthesis and labeling that improve PET, MRI and photoacoustic sensitivity to allow for earlier and more accurate detection of cancers and other diseases
  - **Targeted Drug Delivery:** Developing targeted nanoparticles that kill cancers through delivery of radioactive isotopes and/or photosensitizing agents

## PUBLICATIONS AND PRESENTATIONS

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- **3 Co-authored Publications:** ACS Appl. Materials (2017), Molecular Therapy (2016), Bioconjug Chem. (2016)
- **7 Invited Talks:** AIChE National Conference (2017, 2018), ACS (2017), WMIC (2017), Bacteria Interactions (2017)

## AWARDS AND RELEVANT SKILLS

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- **Awards:** James B. Angell Scholar (2016), SURE-REU Fellowship (2016), National Merit Finalist (2013)
- **Relevant Skills:** CNN Design and Optimization, Python, Java, C++, Matlab, AutoCAD, COMSOL
- **Languages:** English (Native), Chinese (Native), Korean (Intermediate)