

MIKE YILIN DONG

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

May 2019

Bachelor of Science in Chemistry / Biological Chemistry Track

Minors in Human-Computer Interaction and Biomedical Engineering

Cumulative GPA: 3.92 / 4.00

Dean's List (Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017)

PROJECTS

Financial Feud, Service Design Project

Fall 2017

- Partnered in a team of five to design a service for PNC Bank to engage with families and increase teenagers' and parents' financial literacy
- Prototyped a mobile application to deliver the service

Prevention and Early Intervention of Cirrhosis, Precision Medicine Project

Fall 2017

- Cooperated in a team of four to conduct a case study for UPMC to identify the unmet need in the field of liver diseases
- Proposed a new model for the prevention, diagnosis, and treatment of cirrhosis

EXPERIENCE

Das Lab, Carnegie Mellon University, Research Assistant

May 2017 - December 2017

- Designed and improved an economical device for the electroelution of nucleic acids from polyacrylamide gel pieces
- Troubleshooted effects of the device's components on the quality of yielded DNAs
- Optimized the running voltage and time for high elution yields of various DNAs
- Presented in the 2017 Rustbelt RNA Meeting

ACTIVITIES

CMU ChemE Car, Design Chair · Member of Luminol Team

September 2015 - Present

- Design promotional materials, including logo, posters and T-shirts
- Conduct research on the luminol reaction as the car's stopping mechanism
- Collaborate with other members on developing a car powered and self-stopped using chemical reactions

Alpha Epsilon Delta (Health Pre-professional Honor Society)

September 2017 - Present

SKILLS

- **Design:** Interaction design, Mobile design, Web design, UX Research, Prototyping
- **Computer:** Adobe Creative Cloud, Sketch, Principle, Origami, InVision, Marvel, Python, HTML, CSS, Django, MS Office, iWork, Mathematica, Matlab, ChemDraw
- **Languages:** Mandarin (Native Speaker), English (Fluent), Japanese (Intermediate)