

# DAVID LIU

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5000 Forbes Ave., Pittsburgh, PA 15289, SMC 4070

## EDUCATION

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### Carnegie Mellon University

August 2016 - May 2020

*Bachelor of Science, Mathematical Sciences and Computer Science*

Pittsburgh, PA

- **GPA: 3.29/4.00, Mellon College of Science Dean's List**
- **Relevant Coursework:** Mathematical Concepts and Proofs, Matrices and Linear Transformations, Calculus in 3-D, Principles of Imperative Programming, Intermediate Microeconomics, Intermediate Macroeconomics, Great Ideas in Theoretical Computer Science, Introduction to Computer Systems, Mathematical Finance, Operations Research

## PROFESSIONAL EXPERIENCE

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### ExpII, Inc.

July 2017 - Present

*International Education Strategy Intern*

Pittsburgh, PA

- As a startup company, we really have the opportunities to try the things we want to do. Aiming to create the best online courses the world has ever had, we work closely with Po-Shen Loh, the founder of ExpII, to design online math classes tailoring students of different age group and skill levels all over the world
- Invented a new way of teaching online classes; instead of offering recorded videos to students, we trained more than 50 undergraduate/graduate student TAs to teach 30 different online math classes live, so students can have the opportunities to interact with each other and have a friendly learning environment
- designed the course structures and more than 30 teaching notes for the TAs, so that the non professionals would be able to offer the students a better experience learning with them

### BOC International (China) Limited

May 2017 - July 2017

*Over-the-counter Trading Summer Intern*

Shanghai, China

- Followed a senior employee to organize and compile the financial sector of the listing application for Guangdong Fine Yuan Science Technology Co., Ltd; traveled to Guangdong with the senior employee to check if the assets of the company were well recorded
- Edited six BOCI Weekly Business Reports using the data compiled from the BOCI database

## LEADERSHIP & ACTIVITIES

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### Japanese Student Association

August 2016 - Present

*Public Relations Chair*

Pittsburgh, PA

- Organized three recruiting events last year and increased board members to more than 50 students
- Obtained sponsorships from two Pittsburgh local restaurants and a Pittsburgh Taiko group by reaching out to them through both personal and professional connections
- helped my design committee to design two JSA apparels with a total order of more than 230 shirts

## PROJECTS

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### City Host Airbnb

October 2017 - Present

*Data Analyst and Web Developer*

Pittsburgh, PA

- developed dmliu16.github.io using HTML/CSS and Javascript to provide Airbnb hosts in San Francisco with valuable information on how to make the most out of their investments
- utilized Jupyter Notebook and Python to analyze and discover correlations among seemingly irrelevant information

### Good Will Map Community Service

June 2015 - May 2017

*Web Developer and Co-founder*

Stanford, CA

- developed goodwillmap.com with a team of five people, including web developers, software engineers, and data analysts
- designed the front end of the website, and contacted six high schools and twenty charities to help more than two hundred high school students to find community service opportunities across the country

## SKILLS & INTERESTS

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**Technical Skills:** Python, C, HTML/CSS, Java (proficient); Chinese (fluent); Latex, Jupyter Notebook (proficient)

**Activities:** Alpha Kappa Psi Professional Co-ed Business Fraternity, Intramural Basketball/Soccer, Sports Analysis

**Interests:** Go (third Duan), Basketball, Soccer, Ping Pong, Tennis, Ski, Weight Lifting, Poker, Calligraphy