

# RODGER PANG

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## Education

Fall 2014 – Spring 2019     **B.S. Engineering Physics, University of California, Berkeley**  
Minor in Electrical Engineering and Computer Science

## Experience

July 2017 – Dec 2017     **Engineering Co-op, Central Contra Costa Sanitary District**

- Drafted project designs for 7 different projects throughout the east bay, which involved the replacement and rehabilitation of 20 miles of 6 to 96-inch sewer line
- Managed and verified invoice payments for all ongoing projects, contracts up to \$350,000
- Surveyed over 10 miles of sewer line via both closed circuit television inspection and field data from utility locators

Feb 2017 – May 2017     **Research Assistant, University of California Pavement Research Center**

- Assisted research scientists in lab experiments sponsored by California Department of Transportation
- Measured and mixed between 5% and 23% of crumb rubber with virgin liquid asphalt binder
- Prepared rubberized asphalt samples via cutting and coring for compaction testing

June 2016 – Aug 2016     **Business Development Intern, Movebutter (YC F3)**

- Researched marketing strategies to improve company outreach and increase attrition rates
- Arranged business proposals to make business deals and partnerships with Koreana, Berkeley Bowl, and Ranch 99
- Worked directly with the CEO and shadowed him in his daily activities

Jan 2015 – May 2015     **Mathematics Class Instructor, UC Berkeley**

- Taught Math 98 at UC Berkeley for one semester and designed course curriculum
- Successfully taught all students to solve the Rubik's Cube in under 1 minute by the end of the semester
- Explored relevant math concepts such as group theory, algorithms, statistics, and probability

## Organizations

Fall 2016     Berkeley Society of Engineering Sciences – Project Lead (ses.berkeley.edu)

Fall 2016     Future Business Leaders of America – Phi Beta Lambda, Design Committee (berkeleypbl.com)

Fall 2015     AFX Dance (Team Hazie)

## Skills

### Technical Skills

- Java, Python, SQL, Scheme, HTML, CSS, Bootstrap, Scratch, Matlab, AutoCAD, LaTeX
- Photoshop, Illustrator, Acrobat, InDesign, AfterEffects, Word, Excel, PowerPoint
- Solder, Coring Drill Press, Table Saw, Circuits
- Windows, iOS, Linux; Typing speed up to 130 WPM
- Over 100 hours of chemistry and physics lab equipment experience

### Other Skills

- Fluent in Mandarin Chinese, basic Spanish
- 15 years of Piano & Violin, Certificate of Merit Level 10+, Performed in Carnegie Hall (2014)
- Official Rubik's Cube Record: 18.72 seconds (worldcubeassociation.org)