

# Zen Thumparkkul

## education

UC Berkeley Class of 2022 • B.A. Computer Science & Design Innovation • GPA: 3.62

**Coursework** | Data Structures, Structure & Interpretation of Computer Programs, Designing Information Devices and Systems, Foundations of Data Science, Front-End Web Architecture

**Code** | Proficient: Python, SQL, Numpy • Experienced: Java, HTML, CSS **Programs** | Figma, XD, Illustrator

## professional experience

### DiversaTech Consulting

**Project Manager** | May 2019 – Present

- Cold-emailed and called 30+ managers, acquiring PayPal, Tinder, and Keysight Technologies as clients
- Constructed statement of work and progress timeline for upcoming 12-week project with PayPal's Franchise Team

**Airbnb Consultant** | Jan – May 2019

- Prototyped a more universal, frictionless ID verification experience for Airbnb's Trust & Identity Team
- Built and user-tested clickable web and mobile redesigns on Figma, integrating new pathways into present day sites

**Gap Consultant** | Sep – Dec 2018

- Conducted competitive research on omnichannel strategies and modern brick-and-mortar experiences
- Proposed usage of beacon technology in-store, dually removing Gap's need for their current high-cost tags and creating more personalization and gamification opportunities

### Data Science Department @ UC Berkeley

**Data 8 Academic Intern** | Jan 2019 – Present

- Taught core concepts of statistical inference and computing with manipulation of real data on Jupyter Notebook
- Encouraged independent learning with debugging and visual thinking methods

### Berkeley Phi Beta Lambda (Business Organization)

**Marketing Committee Chair** | Sep 2018 – May 2019

- Nurtured business acumen and ideation skills of 6 members through self-created consulting cases and workshops
- Redesigned curriculum to include joint cases and intercommittee workshops for co-learning and knowledge exchange

### Fremont STEM Foundation

**Elementary Coding & Mathematics Instructor** | Jan – July 2018

- Introduced inexperienced students to code with littleBits building blocks and Google CS First Scratch lessons
- Planned and taught curriculum of concept reviews, self-compiled exercises, and mock exams for 20+ students

## projects

### Instinct (TreeHacks 2019)

**Real-time text message translator** | Feb 2019

- Translates and displays texts in the recipient's language without internet access
- Built with Twilio's SMS API and Google Cloud Platform's Translation API

### Scheme Interpreter

**Interpreter for subset of Scheme language** | May 2019

- Coded the definition and tail-recursive evaluation of user-defined procedures (e.g. begin, lambda), special forms, and macros
- Wrote 113 test cases to ensure correct behavior of all forms

### Ants vs. Some Bees

**Tower defense game inspired by Plants vs. Zombies** | March 2019

- Implemented game logic, 2D array map, and rules dealing with the placement, removal, and movement of characters
- Established characters' damage, armor, cost, and special effect attributes with functional & object-oriented programming

### Gujarat Initiative (RoboKnights FTC Team 5220)

**Robotics outreach to Ahmedabad, Gujarat** | Sep 2017 – June 2018

- Spearheaded self-sustaining workshops at 8 schools (1252 students) by training Ahmedabad University students as coaches
- Co-organized the first ever FLL Regional Championship in Ahmedabad and received recognition from *Times of India*

## contact

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