

Owen Gong

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Education

University of California, Berkeley

Graduation: May 2021

- B.A. in Computer Science and Applied Mathematics, GPA: 3.931/4.0
- 2x Cal Alumni Association Leadership Award Recipient (awarded to <2.5% of Berkeley students per year)
- **Relevant Coursework:** Data Structures, Efficient Algorithms and Intractable Problems, Machine Structures, Discrete Math and Probability Theory, Interpretation of Computer Programs, Linear Algebra, Data Science

Work Experience

Computer Science Staff Tutor

January 2019 – Present

UC Berkeley Department of EECS (Berkeley, CA)

- Received the “Outstanding Academic Intern Award” in Summer 2019, given to top 4 of over 200 academic interns
- Instructed concepts from CS61B: Data Structures and CS61A: Structure and Interpretation of Computer Programs through custom coding worksheets, self-developed analogies and diagrams to small discussion groups, weekly
- Spearheaded development of newly released CS61A project “Typing Test” as a Coding/Debugging Specialist ([Python](#))
- Facilitated and created slides (as part of group of 3 mentors) for exam review sessions open to around 2000 students

Software Development and Data Science Intern

June 2019 – August 2019

Forkaia (Irvine, CA)

- Developed web scraping template script in [Python](#) to easily transform targeted website data into a CSV file
- Released in-depth introduction and tutorial on the script to over 100 data science teams in Forkaia’s Idea Lab
- Led wireframing and mockup design process for 2 project teams – *RoundZ* and *PLAID* (50 members each)

System Applications Developer Intern

August 2016 – July 2018

Gallup (Omaha, NE)

- Revamped functionality and design of StrengthsFinder website using [JavaScript/HTML/CSS](#) through collaboration with professional coaches and UX team; increased traffic by 1000s of clicks
- Implemented invite functionality and calendar on manager application in 2017 used weekly by over 60 interns
- Pitched and led team of five over 6 months in the development of “Smart Planner”, a streamlined application to manage and promote school clubs; scheduled biweekly check-ins and delegated tasks following Agile methodology

Leadership and Extracurriculars

- **Technical Consultant (C&C Studios):** Assisted development of official website ([cncstudios.org](#)) showcasing digital art in photography and web development; leading expansion of organization to videography and performing arts
- **Concertmaster and Music Arranger (*The Intermission Orchestra at Berkeley*):** Arranged full orchestra scores for end-of-semester concerts and conducted pieces arranged by me; lead orchestra in violin solos and tuning

Projects

- **Voice-Activated Smart Mirror:** Constructed from scratch a Raspberry Pi-powered mirror with desktop monitor enclosed to display modules such as weather and news, complete with Amazon Alexa integration ([JavaScript](#))
- **Build Your Own World:** Created 2D game world generator (back-end from scratch) based on input seed ([Java](#))
- **Mandelbrot Fractal:** Generated a visual zoomable animated representation of the famous Mandelbrot set ([C](#))

Languages and Tools: Proficient in: Java, Python; Familiar with: C, JavaScript, HTML, CSS, Scheme, Git, SQL, Agile

Hobbies: Making song covers on electric violin (played violin for Spotify published album!), blogging, basketball, hiking