

# Julia Duan

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## 🎓 Education

### University of California, Berkeley,

May 2027 | GPA: 4.0

*B.S. Electrical Engineering and Computer Sciences (EECS)/Intended B.S. Business*

**Coursework:** Structure & Interpretations of Computer Programs, Designing Information Systems, Calculus

**Skills:** Python (NumPy, pandas), Java, JavaScript, HTML, CSS, Bootstrap, Lisp, familiar with C++ and SQL

**Involvements:** Voyager Consulting, Computer Science Mentors, Association of Women in EECS (AWE)

## 👛 Professional Experience

### Uber (UberSTAR), Software Engineer Intern (Incoming Summer 2024)

May 2024 – present

### Quest Diagnostics, Machine Learning Engineer Consultant (Contract)

Feb 2024 – present

- **Developing a ML/web search pipeline** to update a model for classifying competitor codes against Quest's data
- Performing exploratory data analysis, collection, and cleaning on provided Quest Diagnostics' competitor test codes data
- Fine-tuning language models (BART, RoBERTa, GPT) for zero-shot classification to map competitor test codes to Quest's

### Voyager Consulting, Recruitment Manager

Jan 2024 – present

- **Saved 6 hours of manual error sorting** by engineering a Python script with pandas to organize resume submissions: aligned Airtable IDs, removed duplicates, ensured single submissions per person per group, and averaged scores per resume
- Facilitated ~500 hours of tabling and coffee chats, 100 hours of interviews, 30 hours of deliberations, 10 events & venue bookings, 3000+ email opens, 1500 flyer distributions, & more for 600 applicants; used CRM tools like Mailchimp and Apollo

### MasterClass, Software Engineer Consultant (Contract)

Sep 2023 – Jan 2024

- **Saved 10 hours per week** on project updates by transforming cashflow summary data into interactive Airtable interfaces featuring a simplified UI, real-time task statuses, and payment scheduling by using JavaScript, pandas, and Airtable API
- Boosted productivity by automating the scraping, visualization, and population of data from 200+ columns with 7 scripts
- Streamlined team collaboration by creating a product backlog to prioritize features and identify blockers

## 📁 Projects

### Web Development

Dec 2023

- [julia-duan.github.io/me](https://julia-duan.github.io/me) 🔗 : Used **HTML, CSS, and Bootstrap** to build an original, responsive personal website

### Scheme Interpreter

Nov 2023

- Crafted a functional programming language interpreter for Scheme (derivative of Lisp) in Python, leveraging object-oriented design, implementation of REPL, and advanced optimization techniques like macros and tail-call recursion

### Rolling Riches (Dice Game)

Sep 2023

- Developed a 2-player dice game simulator in Python by integrating dynamic programming, optimizations for strategic play, and unique game mechanisms like penalizing low rolls and rewarding prime number scores

## 🏠 Leadership

### The Future of Code (501(c)(3)), Founder, Executive Director

Jan 2021 – present

- **Coordinated 3 hackathons and 37 STEM workshops** for 500 attendees, curating speakers and delivering 2000 slides
- Secured media coverage in 6 local news articles and sponsors like Codecademy, Repl.it, and AOPS, which helped to raise \$700 in prizes and \$2,000 for the Foster Kids Charity Youth Laptop Program (distributed 9 laptops)

### Public Speaking and Debate, Varsity Debate Captain, Be the Light (501(c)(3))

Aug 2019 – Jun 2023

- **Raised \$170K+ for 23 NPOs** in 3 yrs by coaching public speaking and spearheading marketing in Be the Light Youth Org
- Accumulated awards (6x National Finalist, 2nd Place at Nationals, 1st Place in the District) in Congressional Debate; facilitated research and case writing for school team to consistently rank 1st in Texas and Top 10 in the nation