

# Jimmy Zhang

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## Education

**Carnegie Mellon University** | Pittsburgh, PA

May 2024

**Bachelor of Science in Computer Science**

- GPA: 4.0/4.0, Dean's List High Honors (Fall 2020, Spring 2021)
- Relevant Coursework: Principles of Imperative Computation (15-122), Mathematical Foundations for Computer Science (15-151), Matrices and Linear Transformations (21-241), Principles of Functional Programming (15-150), Great Theoretical Ideas in Computer Science (15-251), Calculus in Three Dimensions (21-259)

**Cinco Ranch High School** | Katy, TX

May 2020

- GPA: 4.84/5.0, Rank: 1/787, Valedictorian
  - Awards: National Merit Finalist, Katy ISD Student Excellence Award in Mathematics
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## Technical Experience

**Incoming Teaching Assistant – *Mathematical Foundations of Computer Science (15-151)***

Aug 2021 – Dec 2021

**Software Engineering Intern – *Grapevine AI***

Jun 2021 – Aug 2021

- Created a dynamic calendar page in React that helps users schedule meetings and reminders with their contacts
- Integrated robust integration testing and error handling with Cypress and Sentry
- Managed 100+ quality assurance bugs and updates in an agile scrum environment
- Collaborated with UI/UX designers to create and implement new prototypes for the Grapevine AI dashboard website

**Full Stack Software Engineer Intern – *Boo Dating***

Jun 2021 – Aug 2021

- Implemented full stack daily question board and voice messaging features that boosted activity and retention by 300%
- Prototyped fronted designs and translated multi-layer wireframes to Flutter
- Led REST API lifecycle development with thorough design, documentation, and Chai integration testing
- Communicated with growth and product teams about business decisions, database schema designs, and other issues

**Web Development Intern – *Responsival***

Feb 2021 – Apr 2021

- Implemented responsive, mobile-first web applications with HTML, CSS, and JS libraries
  - Integrated technologies such as Webflow, AWS, and server-side JS into frontend development
  - Developed a custom eCommerce case study website with the Shopify Liquid templating language
  - Collaborated with marketing department to incorporate SEO and increase client traffic by 500%
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## Projects

**Song Match Alexa Skill**

Dec 2020 – Jan 2021

- Created Alexa skill that allows users to receive a song match based on their preferences
- Structured using Alexa Skills Kit SDK for Node.js
- Deployed with Alexa Developer Console hooked to AWS Lambda endpoints

**“Chessing” - Chess Discord Messaging Bot**

May 2020 – Aug 2020

- Created Discord bot that allows users to play chess, listen to YouTube media, and create randomized teams
  - Designed using Node.js and MongoDB Atlas, deployed with Heroku and GitHub
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## Involvement

**Member – *CMU School of Computer Science Undergraduate Advisory Committee***

Jan 2021 – present

- Holding biweekly meetings with SCS Deans to discuss departmental concerns for diversity and research
- Improving feedback channels with administrators and promoting research opportunities to undergraduates
- Facilitating well-being and academic success of 200+ first-year students

**Vice President – *CRHS Computer Science Club***

Aug 2017 – May 2020

- Tutored 20+ computer science novices and competitive programming teams weekly
  - Participated in and organized teams for regional UIL Computer Science competitions
  - Top finishes in coding competitions such as HP Code Wars and USA Computing Olympiad (Gold Division)
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## Skills

**Languages:** JavaScript, HTML, CSS, Java, Python, C, Standard ML

**Frameworks/Software:** React, MongoDB, Git, GitHub, Node.js, GatsbyJS, Express, Flutter, REST API, AWS Lambda