

# Andy Deng

Boston, MA | andydeng0224@gmail.com | 908-267-1668 | linkedin.com/in/andydeng-/ | andydeng.me

## EDUCATION

**Boston College, Morrissey College of Arts & Sciences**

*Bachelor of Arts in Computer Science*

GPA: 3.53

Chestnut Hill, MA

May 2024

## EXPERIENCE

### Abstruse

Remote

*Software Engineer (Volunteer)*

Sep 2024 – Present

- Collaborate with a team of 5 engineers to build a scalable, professional social networking platform utilizing React, Node.js, Tailwind, Firebase, and AWS
- Led the integration of MeiliSearch for post discovery, completely eliminating memory usage and reducing search time by over half
- Designed and implemented a recommendation system, which resulted in a noticeable increase in post interactions

### Evera

Remote

*Software Engineer (Contract)*

Jul 2024 – Sep 2024

- Developed a responsive e-commerce platform using React and Rails, managing both frontend and backend development
- Integrated Stripe, SendGrid, and UPS APIs for secure payments, automated emails, and shipping management
- Ensured thorough testing for payment, order, and product management features using RSpec and Playwright
- Set up and managed custom domains and DNS to improve branding and organization

### Vanta

Boston, MA

*Software Engineer Intern*

Aug 2023 – Feb 2024

- Deployed over 10,000 lines of Ruby and TypeScript code to improve an esports platform with over 20,000 users
- Built and optimized a Redis-based real-time chat notification system that tracked 10,000+ daily messages, improving user retention
- Implemented atomic transactions for payment processing, ensuring the secure completion of over 1,000 orders
- Collaborated closely with Ops and Cx teams to introduce quality of life bug fixes and features
- Achieved 90% code coverage by writing comprehensive end-to-end and unit tests using Playwright and RSpec

### Boston College

Chestnut Hill, MA

*Undergraduate Research Assistant*

Jan 2023 – Jan 2024

- Developed a RESTful API in Django to manage course applications for over 800 students and faculty, cutting manual processing time from 3 weeks to 1 week
- Played a key role in designing an algorithm for TA-Professor matching, completely eliminating complaints
- Automated deployment pipelines using GitHub Actions, integrating over 300 unit and integration tests with Pytest

## PROJECTS

### Eagle Eats | React, Node, MongoDB, Git, Heroku

- Built a full-stack app using BC's Dining API to recommend meal plans based on user data and nutritional goals, **winning 1st place at the BCCSS 2022-2023 Annual Hackathon**

### Carbon Footprints | JavaScript, D3.js, Tableau, Vega-lite, Three.js

- Created an interactive data visualization using D3.js and Tableau, showcasing the impact of greenhouse gasses
- Presented project to 40+ students and faculty, winning best project CSCI3313 Visualization

## SKILLS

**Languages:** Python, JavaScript, Ruby, C, Java, SQL; **Frameworks:** React, Rails, Django, Spring, Node.js, Next.js;

**Tools:** Git, Linux, Docker, Jira (Agile); **Databases:** PostgreSQL, Redis, AWS (S3, RDS); **Testing:** RSpec, Playwright, Pytest, JUnit