

Andy Deng

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EDUCATION

Boston College, Morrissey College of Arts & Sciences

Bachelor of Arts in Computer Science

GPA: 3.53/4.0

Chestnut Hill, MA

May 2024

EXPERIENCE

Abstruse

Remote

Volunteer Software Engineer

Sep 2024 – Present

- Collaborating on the development of a professional social networking platform using React, Tailwind, Node, Firebase, and AWS
- Integrated search functionality using MeiliSearch for post discovery and implemented a recommendation system

Evera (everafashion.com)

Remote

Contract Software Engineer

Jul 2024 – Sep 2024

- Independently built 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 of key features including payments, and order/product management
- Set up and managed custom domains and DNS to improve branding and organization

Vanta

Boston, MA

Software Engineer Intern

Aug 2023 – Feb 2024

- Contributed over 10,000 lines of Ruby and TypeScript code to an online esports platform
- Built a real-time chat notification system using Redis, tracking thousands of daily messages and notifying users via emails
- Implemented atomic transactions for payment processing, ensuring the secure completion of over 1,000 orders
- Collaborated with Ops and Cx teams to introduce several quality of life bug fixes and features
- Wrote end-to-end and unit test suites with Playwright and RSpec, achieving 90% test coverage

Boston College

Chestnut Hill, MA

Undergraduate Research Assistant

Jan 2023 – Jan 2024

- Selected out of 45 software engineering students to help develop an algorithm for TA-Professor matching
- Created a RESTful API in Django/Python to manage course applications for 800+ faculty and students
- Eliminated matching complaints completely and cut processing time from 3 weeks to 1 week
- Created a CI/CD pipeline with GitHub Actions with over 300 tests using Pytest

PROJECTS

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

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

Is it getting hot in here? | *JavaScript, D3.js, Tableau, Vega-lite, Three.js*

- **Voted best final project in CSCI3313 Visualization**
- Created a visualization using D3.js and Tableau that showcases the devastating impacts of greenhouse gasses on the environment

DNS Server | *Java, Socket Programming, Git, DNS Protocols, dig*

- Utilized Socket Programming and TCP/IP and DNS Protocols to develop a Java-based Caching DNS Server

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