Andy Deng

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

EDUCATION

Boston College, **Morrissey College of Arts & Sciences**   Chestnut Hill, MA
Bachelor of Arts in Computer Science   *May 2024*
GPA: 3.53/4.0

EXPERIENCE

Vanta   Boston, MA
Software Engineer Intern   *Aug 2023 – Feb 2024*
- Added over **7,000** lines of Ruby and TypeScript code to an online gaming platform with over 20,000 users
- Developed an efficient notification system that tracks thousands of messages daily using Redis
- Collaborated with Ops and CX teams to introduce several important quality of life bug fixes and features, greatly improving user experience
- Implemented numerous third party APIs including Stripe, Cloudinary, GetStream, SendGrid, and Twilio
- Achieved **95%** test coverage by developing comprehensive unit and end-to-end tests using RSpec and Playwright

Boston College   Chestnut Hill, MA
Software Engineer   *Jan 2023 – Jan 2024*
- Selected out of 45 software engineering students to develop an algorithm for optimal TA-Professor matching
- Created a RESTful API in Django/Python to manage course applications for 800+ faculty and students
- Designed an algorithm that reduced matching complaints to zero and cut processing time from 3 weeks to 1 week
- Created a CI/CD pipeline with GitHub Actions with **100%** code coverage using Pytest

Evera   Hillsborough, NJ
Software Engineer Intern   *Jun 2023 – Aug 2023*
- Developed a visually appealing and responsive user interface for an e-commerce platform using React
- Built a REST API in Java with Spring to handle purchases and track user and clothing information
- Implemented Stripe and Wells Fargo APIs for secure payment processing and financial transactions

Boston College   Chestnut Hill, MA
Information Technology Consultant   *Aug 2022 – May 2024*
- Aided students and faculty courteously and quickly to resolve varied technology issues, closing over 400 tickets
- Coded software to replace legacy monitors for campus printers, now in use at all libraries across campus

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

AJs List | *JavaScript, React, Node, MongoDB, Rest API*
- **Voted best final project in CSCI3359 Distributed Systems**
- Created a progressive web3 app that connects local buyers to local sellers to exchange goods
- Coded frontend, backend, and Solidity smart contracts to facilitate an intuitive user experience

EcoViz | JavaScript, D3.js, Tableau, Vega-lite, HTML, CSS
- **Placed 2nd out of 16 teams in CSCI3311 Data Visualization**
- Created a visualization using D3.js and Tableau that showcases the devastating impacts of greenhouse gases

DNS Server | *Java, Socket Programming, Git, DNS Protocols, dig*
- Utilized Socket Programming and TCP/IP and DNS Protocols to developed a Java-based Caching DNS Server

SKILLS

Languages: Python, JavaScript, Ruby, C#, C, Java, SQL; **Frameworks:** React, Rails, Django, Spring, Node.js, Next.js;
Tools: Git, Linux, Docker, Jira (Agile), Kubernetes; **Databases:** PostgreSQL, Redis, AWS (S3, RDS)