

ANDY DENG

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EDUCATION

Boston College, *Morrissey College of Arts & Sciences, Chestnut Hill, MA*

Expected May 2024

- *B.A. in Computer Science (GPA: 3.5)*
- *Relevant Coursework:* Algorithms, Data Structures, Object-Oriented Design, Computer Systems, Web Development, Visualization, Software Engineering, Logic & Computation, Randomness & Computation, Computer Networks

TECHNICAL SKILLS

Computer Languages: Python, JavaScript, Ruby, Java, C++; **Tools:** Git, D3.js, Tableau; **Frameworks:** Django, Rails, React.js, Next.js, Bootstrap; **Databases:** SQL (MySQL, PostgreSQL), Firebase, RDS;

WORK EXPERIENCE

Vanta, *Software Engineer Intern, Remote*

August 2023 – Present

- Collaborated on the development of a web application connecting esports teams across schools under the invaluable guidance of four seasoned senior engineers
- Gained deep insights into best practices, design patterns, and efficient agile and scrum teamwork dynamics while working with Next.js and Ruby on Rails
- Contributed to a test-driven team by writing end-to-end and unit test suites with RSpec and other frameworks, supporting the team's emphasis on code reliability and maintainability

Expedia Group, *Software Development Engineer Intern, Austin, TX*

June 2023 – August 2023

- Designed and implemented a responsive feature for travel recommendations, seamlessly integrating it with backend services using Kotlin and powered by a PostgreSQL database
- Deployed features in containerized environments using GraphQL for efficient data management, while establishing robust version control with Git
- Collaborated with a diverse team, utilizing agile methodologies and tools like Jira for task breakdown and continuous improvement in the development cycle

Boston College IT Services, *Information Technology Consultant, Chestnut Hill, MA*

August 2022 – Present

- Supported network systems and addressed IT issues for clients and colleagues across different operating systems and software applications
- Worked with a diverse team of IT professionals, students, and faculty, facilitating cross-training and knowledge sharing to enhance the department's overall service delivery

PERSONAL & PROFESSIONAL PROJECTS

TA-Professor Matching System for Boston College, *Sponsored Independent Study*

January 2023 – Present

- Collaborated in a dynamic five-member team to engineer a TA-Professor matching system for Boston College, enhancing the efficiency of TA recruitment for over **300** CS faculty members and students
- Coordinated with stakeholders and integrated their feedback into system design, implementation, and deployment
- Greatly improved TA recruitment process efficiency, resulting in reduced hiring time and increased satisfaction among faculty and students
- **Technologies Used:** Django, Bootstrap, JavaScript, HTML/CSS, PostgreSQL, Git, AWS (for bi-weekly deliverables), Boston College servers (for deployment)

Picture Link, *Independent Project*

March 2022 – April 2022

- Developed a social media platform inspired by Instagram, offering features such as posting photos, liking, commenting, and following users
- **Technologies Used:** React.js, Django, PostgreSQL, Tailwind, Heroku