

# Andrew Lucktong

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## Education

**University of Virginia, School of Engineering**, Charlottesville, VA  
Bachelor of Science in Computer Science with High Distinction, May 2024

- GPA: 3.77.
  - Relevant Coursework: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Web Development, Software Engineering, Computer Architecture, Operating Systems, Cybersecurity, Computer Game Design, Data Science, Theory of Computation, Linear Algebra, Probability, Statistics.
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## Skills

- Programming languages: Java, Python, C++, C#, PHP, JavaScript, HTML, CSS, TypeScript, x86, R.
  - Frameworks: React, React Native, Angular, Django.
  - Tools: Linux, Docker, GitHub, RDBMS, PostgreSQL, MySQL, Heroku, LaTeX, Unity, Visual Studio, IntelliJ, Microsoft Office, Technical Writing.
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## Projects

**Full Stack Developer, Flavormatch.co**, Charlottesville, VA, January 2024 - Present

- Developed a full-stack web application with 3rd party API integration to recommend recipes based on user preferences.
- Collaborated with team member to create a PHP back-end servicing front-end features written in HTML and CSS.
- Added dynamic functionality using JavaScript to create a more interactive and user-oriented site.
- Won "Most Unique" and "Best Overall" project in a class of 110 students.

**Game Developer, Dine and Dash**, Charlottesville, VA, January 2024 - Present

- Designed and programmed core game mechanics for a round-based single-player driving game using C# and Unity.
- Coordinated a team of three by assigning roles and responsibilities, ensuring clear understanding of project objectives and individual tasks.
- Conducted play testing sessions with 15 different users to gather feedback and balance difficulty levels prior to beta version release.
- Designated a top 3 game out of 25 projects in a class of 75 students.

**Testing Manager, Study Buddy Finder Website**, Charlottesville, VA, August 2022 - December 2022

- Designed a web application using Python and Django to help UVA students find study partners.
  - Applied Scrum methodologies to build a web app hosted with GitHub and Heroku.
  - Wrote automated unit tests in Python to streamline delivery of high-quality code with continuous integration.
  - Operated a Postgres database and leveraged SQL to support asynchronous chat rooms and custom user profiles.
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## Work Experience

**Summer Textbook Operations Assistant, Roanoke County Schools**, Roanoke, VA, May - August 2021, 2022

- Distributed new textbooks and collected old textbooks from 28 different schools.
- Monitored school requests and enhanced efficiency of textbook distribution by organizing and labeling materials 1 week prior to distribution, resulting in error-free deliveries.

**Cafe Associate, Panera Bread**, Roanoke, VA, May 2019 - August 2019

- Prepared and cooked 50+ items according to restaurant specifications, adapting to changes in menu and special requests.
  - Learned a team-based approach to exceptional customer service, positively impacting over 1000 customers and enhancing organization reputation.
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## Honors

- UVA Dean's List Fall 2020, Fall 2021, Spring 2022, Fall 2022, Spring 2023.