

# URJIT RHYS BANERJEE

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## EDUCATION

**Duke University**, Durham, NC

May 2023

Declared Major: Bachelor of Science in Computer Science, Minor in Mathematics, Concentration in AI & Machine Learning

GPA: 3.581

## WORK EXPERIENCE

**Principal Financial Group**, *Software Development Intern*, Des Moines, IA

May 2022 - August 2022

- Built APIs and single-page applications on the web for Principal's Non-Qualified Insurance team.
- Created applications driven by company stakeholders to replace legacy systems within Principal.
- Built web applications in React.js, Angular, and Java and wrote CRUD operations in REST API.

**Duke CS+ Decentralized Finance Team**, *Senior Undergraduate Blockchain Researcher*, Durham, NC

June 2021 - August 2021

- Created WaterPark—a decentralized borrowing protocol using new technology on The *DFINITY* Foundation's Internet Computer using Motoko.
- Integrated the Motoko-based back-end with HTML & CSS and JavaScript to create a presentable demo for WaterPark.

**Duke Notify**, *Developer*, Durham, NC

May 2020 - January 2021

- Constructed a backend framework, utilizing Ruby on Rails, to create a centralized real-time communication tool for students at Duke University with an international team.
- Developed functionality for mass communications to be sent via email and SMS with a web app. Software was implemented by Duke University to conduct contact tracing to combat COVID-19 spread during the 2020-2021 and 2021-2022 academic years.

## SKILLS, INTERESTS, RELATED COURSES, ACHIEVEMENTS

- **Programming skills:**
  - *Proficiency* in Python, Java, HTML & CSS, Data Structures and Algorithms
  - *Intermediate* in React.js, Angular, JavaScript
  - *familiarity* with C, Ruby on Rails, R
- **Related Courses:**
  - *Computer Science*: Machine Learning, Artificial Intelligence, Data Structures and Algorithms, Discrete Mathematics for Computer Science, Design and Analysis of Algorithms, Computer Systems, Database Systems
  - *Mathematics*: Linear Algebra, Multivariable Calculus, Abstract Algebra, Combinatorics, Probability, High Dimensional Analysis
- **Interests and Projects**: 10+ years of experience in graphic design and animation. Proficient in the Adobe Creative Cloud ecosystem. Wrote, produced, and organized 20+ animated productions for YouTube (<https://www.youtube.com/user/Urbfilms>). Game Development in the Godot Game Engine using Gdscript (<https://riceware.itch.io/>).
- **Achievements**: 1st place in 2022 Principal Employee Code Jam