

Mark J. Rubin

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Education

Princeton University

Expected May 2026

Bachelor of Science in Engineering; Computer Science | GPA: 3.85/4.0

Princeton, NJ

Relevant Coursework: Algorithms and Data Structures, Introduction to Machine Learning, Introduction to Programming Systems, Contemporary Logic Design, Foundations of Engineering: Multivariable Calculus

Experience

Fiserv

June 2023 – Aug. 2023

Cloud Platform Operations Software Engineer Intern

Berkeley Heights, NJ

- Proposed and built a ServiceNow Ticket fulfillment system to automate approval of developers' access to Kubernetes projects using Python, JavaScript, Azure DevOps Pipelines and Microsoft Power Automate, reducing time spent on approvals from 3 hours to under 5 minutes weekly and accelerating developer workflow.
- Composed seven Python and Bash scripts to automate developer tasks such as namespace creation and resource partitioning in Azure RedHat OpenShift, service principal rotation in Microsoft Azure, and installation of cloud cybersecurity software on virtual machines, reducing manual work time.
- Organized one-on-one sessions with employees around the company to gain a greater understanding of full stack development, the software development life cycle and technologies such as Java Spring Boot and React JS.

Prince Analytics Sports Consulting

Feb. 2022 – Nov. 2023

Founder and CEO

Highland Park, NJ

- Founded a startup company focused on making data-driven decisions in sports to achieve better outcomes through the numbers that matter.
- Networked with industry professionals to receive consulting opportunities across two professional sports leagues.
- Prepared a 19-page report for NFL data analysts from several teams with evaluations on nearly 300 players utilizing original algorithms capable of predicting player success with over 81% accuracy created with Python and Microsoft Excel.
- Produced four reports for a prominent NBA agency on top 2023 NBA draft prospects designed to convey the value of the players. The reports were presented to professional teams and were created using Power BI and statistical data modeling.

Extracurricular Activities

HackPrinceton

Sep. 2023 – Present

Web Development Team Leader and Software Engineer

Princeton, NJ

- Leading and collaborating with an agile team of eight developers to rewrite the hackathon's application website using React JS and Flask.
- Delivered a 45-minute presentation on cloud computing at the fall hackathon with over 40 people in attendance.

TigerApps

Sep. 2023 – Present

Junior Software Developer

Princeton, NJ

- Maintaining a suite of 16 web applications for Princeton students, contributing to application hosting and bug fixing.
- Assisting in evaluating candidates for new apps and helping onboard new applications by reading through code, creating documentation and onboarding the applications to Heroku.

Projects

Driving Simulator / Java, Java Swing

[Link to Repository](#)

- Developed a driving simulator encapsulating many of the common features of driving, allowing the user to control a car with their keyboard on an environment of their choice. The car must deal with obstacles such as stoplights, turns, dead ends, and other autonomously controlled cars on the road.

Personal Website (MarkRubin.me) / JavaScript, React JS, Tailwind CSS

[Link to Repository](#)

- Created a personal website to showcase myself including information on my experiences and projects.

Technical Skills

Languages: Java, Python, C, JavaScript, Bash, Verilog, CSS

Frameworks and Technologies: React JS, Flask, Java Spring Boot, Microsoft Azure, Git, Postman, Power BI