Mark J. Rubin
mr3608@princeton.edu | (732)-710-2292

Education

Princeton University, Princeton, NJ   Expected May 2026

Bachelor of Science in Engineering – Computer Science   GPA: 3.77

Relevant Coursework: Algorithms and Data Structures; Introduction to Programming Systems; The Coming of Driverless Cars; Foundations of Engineering: Linear Systems

Languages and Skills: Java, Python, C, JavaScript, React, Bash, SQL, STATA, Verilog, API Development, Spring Boot, YAML, Postman, Git, Cloud Computing, Kubernetes, Microsoft Azure, Azure DevOps Pipelines, Azure RedHat Openshift, Azure CLI, Openshift CLI, Linux CLI, Power Automate, Power BI

Professional Experience

Fiserv – *Cloud Platform Operations Software Engineer Intern*   June - August 2023

- Proposed and built an automated ticket response system utilizing Python, JavaScript and Microsoft Power Automate, reducing work time from 3 hours to 5 minutes weekly.
- Developed seven automation scripts with Bash, Python, and Azure DevOps Pipelines including automatically installing cybersecurity software on virtual machines, removing inactive Azure RedHat Openshift (ARO) Users, renewing Azure Service Principals on ARO clusters, and taking thread dumps of payment technology applications.
- Expanded knowledge of cloud computing and Microsoft Azure, learning to build a virtual machine and improved understanding of Kubernetes, servers, and cloud infrastructure.
- Leveraged employee network to receive one-on-one training sessions in backend, frontend, and API development, and was introduced to React and Spring Boot.

Prince Analytics Sports Consulting – *Founder & CEO*   February 2022 - Present

- Utilize statistical analysis to consult for various sports organizations, notably including several National Football League (NFL) teams and a professional basketball agency.
- Created a Python web scraper to gather 24,000 data points, used to develop 12 algorithms capable of predicting NFL draft prospects' success with over 81% accuracy. Applied these algorithms to form a 19-page report on the 2022 NFL Draft Class.
- Produced reports on 2023 NBA Draft prospects, utilizing Power BI and Microsoft Excel to determine and display valuable metrics for raising players' draft value.

Extracurricular Activities

TigerApps – *Software Developer*   September 2023 - Present

- Maintain a suite of 16 web apps for Princeton students, building features and fixing bugs/server issues.

HackPrinceton – *Web Developer*   September 2023 - Present

- Working with a team of developers to rewrite the club's website using JavaScript, React and Next.js.

Scholars of Finance – *Leadership Development Program*   October 2023 - Present

- Participating in a 7-week leadership development program focused on learning the role of ethics in finance.