

# Ada Lin

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## Education

Rutgers University - New Brunswick, NJ

B.S. Computer Science

Expected Graduation **May 2024**

## Relevant Coursework

Software Methodology, Systems Programming, Design and Analysis of Computer Algorithms, Computer Architecture, Data Structures, Discrete Structures I & II, Statistical Analysis, Linear Optimization, Statistics I & II, Calculus III

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## Skills

- Programming Languages: Java, C, Python, HTML, CSS, Javascript, R, SQL, VBScript, React, .NET programming
  - Tools: Visual Studio Code, Microsoft Access, MySQL, Photoshop, PowerBi, Visual Studio, Postman, Linux, Microsoft Azure, Google Cloud, Powershell, IntelliJ, JDBC, Git
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## Projects

- **Tic Tac Toe - C**
    - Created game client and server to coordinate games and enforce rules using multithreading and socket programming
      - Can support concurrent games with two players
  - **MyShell - C**
    - Created command-line shell with batch mode and interactive mode using Posix system libraries, tokenizing Posix (unbuffered) stream I/O, piping, and child processes
      - Supports maintaining/updating working directory, reading/parsing commands, executing programs, searching directories, piping, redirection, and wildcard
  - **Rutgers University Database Application - SQL, Java**
    - Created a relational database using MySQL about Rutgers University using real data on classes, credits, students, departments, and GPA
    - Created a Java application using JDBC connectivity that allows users to query the database
  - **Linux Automation - VBScript, .NET programming, PowerBi**
    - Implemented Linux automation by pulling data from LDAP database to populate Linux roles table using .net programming and LDIF
    - Created PowerBI dashboard from data for use in term analysis and future use cases
  - **Hashicorp Retry Logic - VBScript**
    - Modified existing company code to implement retry logic to log Hashicorp failures within the system
    - Help with maintenance and support of backlog items
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## Professional Experience

### **IAM Analytics Intern/Coop, InfoSec, UPS Mahwah | June 2023 - Present**

- Create and implement code to automate a view for Linux roles data at UPS
- Work with team members and tested code in UAT environment before deployment
- Create and work with existing code to catch Hashicorp failures and support the team

### **Building Operation Manager, Busch Student Center, Rutgers University | May 2023- Present**

- Manage the operations of a 37,000 square feet building with daily foot traffic of 9,000 students
- Secure and maintain a healthy workflow of 4+ staff members across shifts
- Troubleshoot software, hardware, and network issues for over 30 computers and laptop across the facility
- Coordinate setting up technical equipment including soundboard system, projector, screens, microphones, and lavaliers

### **Learning Assistant, Learning Centers, Rutgers University | August 2022 - May 2023**

- Courses - Data Structures, Introduction to Computer Science
- Responsible for leading 3 recitation sessions weekly for approximately 60 students
- Meeting with professor staff weekly to discuss teaching plan