

Uday Y. Patel

Sayreville, NJ, 08872 | 732-318-0666

uday3patel@gmail.com | www.linkedin.com/in/uday3patel

EDUCATION

Rutgers, The State University of New Jersey

New Brunswick, NJ

Master's Degree, Computer Information Sciences

January 2023 - May 2025

Rutgers, The State University of New Jersey

New Brunswick, NJ

Bachelor's Degree, Computer Science

September 2019 - January 2023

EXPERIENCE

The Guardian Life Insurance Company of America

New York, NY

Associate Software Engineer, Rating and Quoting

February 2023 - Present

- Contribute to an Agile team to complete API enhancements and tech modernization stories for Pre-Sales Core Platform
- Decoupled a single-tier monolithic system into service components with Spring Boot to accelerate feature development
- Developed a multi-threaded job in production to migrate BLOB data into S3 while maintaining 100% server uptime

BASF Corporation

Florham Park, NJ

Bioactives Research Extern – Rutgers MBS Externship Exchange Program

September 2022 - January 2023

- Introduced newfound algae and floral bioactives with research potential and commercial application in the cosmetic space
- Amplified market share and growth potential in specialty bioactives while observing international regulatory affairs
- Conducted technical landscape analysis and commercial market sizing for biopolymers in the North American market

Bluebonnet Data

Cambridge, MA

Data Science Fellow

July 2022 - November 2022

- Delivered technical campaign analysis to Lisa Campbell, Democratic Nominee of the Georgia State House District 35
- Coordinated with local political staff to meet project deadlines and tailor to customized insight/deliverable requests
- Used Python3, election data and VAN/VoteBuilder Software to build data pipelines and create a heatmap for analytics

The Guardian Life Insurance Company of America

New York, NY

Messaging Engineering Intern

June 2022 - August 2022

- Collaborated with cross functional teams handling software migration/automation and corporate operations strategy
- Defined a technical documentation template to use on 3 specific products and contribute to company-wide communication
- Developed automations to filter inactive users via Zoom API and PowerShell which reduced monthly overhead by 40%

Rutgers University, Learning Assistant Program

New Brunswick, NJ

Learning Assistant: 01:198:111

July 2021 - January 2022

- Lead recitation sections for the Introductory Computer Science course taught by Dr. Lars Sorensen, Ed.D.
- Collaborated with the professor to implement new ways of computer science education to students
- Involved in monthly seminars with administrative staff to provide feedback on the course

Dun & Bradstreet, Inc.

Short Hills, NJ

Global Operations & Strategy, Data Engineering Intern

June 2021 - August 2021

- Spearheaded the transition to implement script automation for daily and monthly processes within an AWS EC2 instance
- Developed over 5 custom solutions written in Python to streamline data pipelining procedures from external Drift API
- Minimized operational and manual redundancies in corporate data feed which increased efficiency by 410%

SKILLS & INTERESTS

Languages: Java 8+, SQL, Python3, Javascript, C#, PowerShell

Skills: Object-Oriented Programming, Data Science, Agile, Automation Development, API Development, Distributed Systems

Tools & Frameworks: Git, Spring Boot, FastAPI, Node.js, Express.js, .NET Core, Jira, Bitbucket, Confluence, Jenkins, Docker, SonarQube, PostgreSQL, DB2, CloudWatch, Redshift, AWS S3, Postman, Visual Studio Code, Eclipse, IntelliJ

Interests: Tennis, Soccer, Poetry, Community Service, Philanthropy/Fundraising, Traveling, Memorabilia, RnB Music

PROJECTS

Customized A* Algorithm Efficiency Research

March 2022 - August 2022

- Conducted algorithmic analysis on variations of the A* algorithm within a random and unstable environment
- Developed a new heuristic that predicts future environment states to build a potential path with 22% increased efficiency