

DANIEL G. RUSK

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EDUCATION

CORNELL UNIVERSITY BOWERS COLLEGE OF COMPUTING & INFORMATION SCIENCE

May 2023

Bachelor of Science in Information Science

GPA 3.83

- Concentrations: Data Science, Interactive Technologies
- Honors: *Magna Cum Laude*, Dean's List

SKILLS

- Languages/Frameworks: Python, JavaScript, React.js, Vue.js, Node.js, Express.js, React Native, Java, PHP, SQL
- Libraries/Tools: Pandas, Tensorflow.js, Scikit-learn, NumPy, D3.js, Tableau, Figma, Excel

PROFESSIONAL EXPERIENCE

NORTHWELL HEALTH

Remote

Product Services and Management Analyst

July 2023 – Present

- First Year Analyst using programming and data analysis abilities to automate business tasks and improve efficiency.
- Saved immense amount of 25-person team's time by writing programs and as a result I am on track for a promotion to Senior Analyst which is a position normally given to an Analyst with 3-5 years of experience with our team.

Selected Programming Experience:

- Automating Monthly Training Class Scheduling (15+ monthly hours saved)
 - Designed, wrote, and now maintain Python program to assign trainers to instruct courses each month.
 - Used Object Oriented Programming in an optimized solution that ensures variety by week and no overworking.
 - Program alerts user when resources are too scarce, highlighting courses that should be rescheduled.
 - Program considers paid leave absences and user can configure max classes taught per week for each instructor.
- Automating Security Role Request Ticket Handling (Made analysts 500% faster at daily task)
 - Created Python script that searches database to see if employee has required trainings for a given security role.
 - Script enables analyst to input employee and desired role and returns whether employee is approved.
 - If rejected, script shows analyst list of roles that employee is approved for in case requester chose wrong role.
 - If rejected, script lists missing trainings and generates a rejection email for analysts to send to the requester.

TEAMWORTHY VENTURES

Greenwich, CT

Summer Engineering Associate & Part-time Engineering Associate

June 2022 – February 2023

- Constructed dashboards and interactive visualizations to increase speed of new investment discovery process.
- Developed JavaScript query builder that enabled analysts to use a database API without writing any code themselves.
- Created Chrome browser plugin that enhanced LinkedIn profiles by overlaying custom, calculated metrics.

CORNELL COMMUNICATIONS & COLLABORATIVE TECHNOLOGIES LAB

Ithaca, NY

Research Assistant

July 2021 – August 2021

- Collaborated with PhD candidate to create VR disaster relief rescue drone simulator in Unity with C#.
- Leveraged Object-oriented paradigm to construct a virtual drone model that follows real world physics.

PROJECTS

BUDGEME: FULL-STACK PERSONAL BUDGETING WEB APP

October 2023

- Designed and created full stack budget app featuring user authentication, expense tracking and expense categorizing.
- Deployed Node.js, Express, MongoDB back-end with RESTful APIs and server-side rendering of a React.js front-end.
- User can create, delete, edit, and view monthly or yearly summary of spending habits with optional filters by category.

SITUP: SLOUCH DETECTION WEB APP

January 2023

- Designed and built React.js app that uses Tensorflow.js Pose Estimation model and webcam to monitor user posture.
- User calibrates the model to their posture then returns to normal work – the app pings the user when they slouch.
- User can view their posture model, view a posture metrics dashboard, and adjust the sensitivity of slouch detection.

INTERESTS: New York Knicks, Kurt Vonnegut, Card magic, Red Hot Chili Peppers, Walking my dogs on the beach