Nataniel Pinchas Saadon

npsaadon@gmail.com | npsaadon.com | linkedin.com/in/nataniel-saadon/ | Philadelphia, PA

EDUCATION

Machon Yaakov, The Rabinowitz Institute, Jerusalem
Fellowship Consisting of Talmudic Law, Philosophy, and Ethical Leadership   May 2025

Drexel University, Philadelphia, PA   3.6 GPA
Bachelor of Science Software Engineering   June 2024

RELEVANT EXPERIENCE

Bristol Myers Squibb   **Summit, NJ**
AR and VR Associate Specialist Developer CO-OP   *April - September 2023*
- Developed highly immersive virtual tour walk-through experiences of site and lab locations utilizing Unity and C#
- Created detailed technical documentation for AR headset utilization and maintenance, resulting in streamlined device integration processes, efficient troubleshooting procedures, and a 83% increase in user self-sufficiency
- Conducted group user testing for VR modules focused on lab simulations and procedural training, used user data from testing to modify modules, resulting in improved user satisfaction rate of 74%

Drexel College of Computing & Informatics   **Philadelphia, PA**
Senior Technical Assistant   *January 2020 - September 2021, January - March 2023*
- Designed Python algorithm enabling seamless consolidation of diverse academic data from Excel files, employing automated merging and column mapping
- Implemented web scraping techniques to pull and update data from web pages managed by Drexel College of Computing & Informatics, saving approximately 40-60 hours of manual work
- Built automotive web application using Selenium and Python for bulk deleting course shells resulting in saving 30 minutes of time per deletion of course shell
- Revised and developed new reference documentation for future technical assistants
- Without need for escalation, answered, updated, and resolved reported issues, including undocumented issues with a success rate of 94%

Vanguard   **Malvern, PA**
Machine Learning Engineer CO-OP   *March - September 2022*
- Redesigned interface and resolved data loading issue for machine learning based data aggregation tool resulting in a 51% increase of site utilization
- Overhauled established pipeline, implemented logging and unit tests, reconstructed model using object oriented development practices and converted a complex R model into Python, which collectively resulted in a 21% reduction in execution time
- Leveraged AWS infrastructure and Bitbucket repositories on a daily basis to seamlessly store and retrieve data crucial for model operations
- Presented work and findings on a monthly basis to department heads in sprint review presentations

Bristol Myers Squibb   **Princeton, NJ**
IT Software Developer CO-OP   *March 2021 - March 2022*
- Engineered automotive solutions to expedite the process for credential creation
- Designed automotive application for monitoring onboarding of new hires saving upper management approximately 1 hour and 45 minutes a week
- Created automotive solution for monthly termination monitoring reporting, which led to the process speeding up from 2 hours down to 20 minutes

SKILLS

Languages: Python, Java, C#, C, R, JavaScript, VBA, Dart, SQL, C++, Kotlin, HTML, CSS, UML, XML, React Native
Database: MongoDB, PostgreSQL, Firebase
Software: Git, GitHub, Selenium, Unity, R-Studio, AWS, Adobe Captivate, Domino, Bitbucket, VIM, CorelDraw, Flutter, SolidWorks, Dreamweaver, GNU, Bash, Lucidchart, Bootstrap Studio
Process: Agile, Scrum, Kanban

ORGANIZATIONS

Brother of Alpha Chi Rho, Drexel Toastmasters, Chabad, MEOR, Chess Club, Squash Club