

BRAEDEN TRAUTZ

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EDUCATION

TEMPLE UNIVERSITY – Information Science & Technology, B.S. – May 2022 (Expected)

- **GPA:** 3.63
- **Notable Coursework:** IT Project Management, Agile methodology, Java data structures, client-side scripting for the web, mobile development, network architectures, object-oriented programming, smart sensing and devices, relational databases

PROFESSIONAL EXPERIENCE

MERCK & CO., INC

SUMMER 2021 INTERNSHIP – Robotic Process Automation | Foundational Automation Team

- **Enabling the understanding of the cost and value of deploying bots** by collecting bot data and creating a machine learning model to predict maintenance costs. Data will be used for cost-benefit analysis of new bot creation.
- **Automating manual receipt / invoice classification in expense reporting** using machine learning models which allow workers to scan receipts and invoices and have the data automatically extracted.
- **Proposed solution to automate data extraction** from manufacturing documents using Amazon Textract. Proposal focuses on efficiencies to be gained from manual document review by implementing robotic process automation.
- **Facilitated timely deployment of a project** by editing and running scripts for user acceptance tests.

SUMMER 2020 INTERNSHIP – Cloud Development Team | Merck Research Labs IT

- **Provided automatic machine learning capabilities for lab scientists** with a proof of concept machine learning model created from 4300 patients with 42 diseases. Predicted with 95% accuracy what disease a patient had based off their symptoms. Deployed with web API functionality.
- **Learned and implemented Agile methodology** via leading daily stand-ups for our team. Quickly learned and utilized Jira for daily activities such as ticket tracking, burn down charts, etc.
- **Experimented with and reported on new AI capabilities to lab scientists** by showcasing the power of generative AI, such as ProteinGAN (open-source software), which creates novel proteins on demand for use in labs.

LEADERSHIP

- **Temple Chapter of the Association for Computing Machinery** – help students with programming problems / homework and attend lectures from industry professionals.
- **Scrum master** – while working in the MRL IT department, I was permitted to run the daily stand up meetings. I made sure the team was on track, kept the meetings short, reviewed burndown charts, and made sure tickets were being seen to appropriately.

TECHNICAL SKILLS

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|-----------------------|-----------------------------|
| • AWS Cloud Services | • JavaScript |
| • Python | • HTML & CSS |
| • C# | • SQL |
| • Java | • Web API's |
| • Android Development | • C |
| • OCR | • Applying machine learning |