# MITCHELL MEIER

### Software Engineer

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## EDUCATION

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|---|---|
| University of Missouri Science and Technology, Rolla MO | May, 2021 |
| **Bachelor of Science in Computer Science** | **3.6 GPA** |
| **Minors in Mathematics and Information Science** | |

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|---|---|
| University of Sheffield, United Kingdom | February, 2022 |
| **Concentration on Machine Learning and Adaptive Intelligence** | **4.0 GPA** |

## EXPERIENCE

**Data Engineer** — Brentwood, MO
U.S. Bancorp — June, 2021 - Present

· Pioneered an interactive web based data visualization application for customer data, leveraging Python and Dash
· Redesigned protocols for monitoring database server resource utilization, improving data aggregation time by 95%
· Introduced automation to an essential onboarding process via bash scripts, eliminating the associated manual tasks
· Headed an effort to present areas of innovation in the company's API design via actionable improvement plans

**Technology Services Intern** — Earth City, MO
U.S. Bancorp — June, 2020 - August, 2020

· Engineered a web based statistical analysis tool (Transactional Analysis R Tool), utilized by 100+ team members
· Constructed and automated SQL queries to deliver and format over 4 million data rows from database to application
· Enhanced the TART application design by introducing interactive data visualization features utilizing R code
· Built a fully fledged responsive web layout to supplement TART's interactive potential via HTML and CSS

**Lifeguard** — Ellisville, MO
LifeTime Fitness — May, 2017 - May, 2020

· Orchestrated safety functions that were crucial in meeting security requirements and achieving member satisfaction
· Mentored new hires through development in groups, ensuring the formation of excellent cooperation skills

## PROJECTS

**Melee Frame Data**

· Developed a full stack web application which hosts data visualization tools via an interactive interface
· Aggregated, cleansed, and restructured data for visualization from over 20 different sources via web scrapping
· Collaborated with leading community organizations and professionals to develop essential feature ideas
· Exceeded 25,000 unique website users and fostered a group of 6 code contributing developers

**Financial Data Visualization**

· Generated 5 new fully fledged interactive features to implement into U.S. Bancorp data visualization application
· Enhanced data visualization techniques by implementing custom formatting actions configurable by the end user
· Broadened the scope of application functionality by adapting the code base to integrate with the Plaid API
· Leveraged the security protocols RSA and HTTPS over SSL to create processes that allow for secure operation

## TECHNICAL SKILLS

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| **Computer Languages:** | Python, Bash, SQL, R, C++, HTML/CSS, JavaScript |
| **Tools & Software:** | Linux, Git, Jupyter Notebook, RESTful APIs, Linode, AWS, Docker |
| | Wireshark, Pandas, TensorFlow, PyTorch, Dash, Flask, JSON, LaTeX |
| **Industry Experience:** | Algorithm Design & Optimization, Bash Scripting, Data Analysis, |
| | Relational Databases, Red Hat Server Management, Cloud Computing, |
| | TCP/IP Protocol Suite, Microsoft Azure, CI/CD Pipeline, Agile/Scrum |