Joseph Studer

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Education	Missouri University of Science and Technology (Missouri S&T)	May 2020
	Honors B.S. Computer Engineering, Minor: Computer Science	**GPA: 3.91/4.0**

Experience

Software Engineer   Seattle, WA
Google Maps   **Aug 2022 - Present**
- Reduced complexity of detecting regressions in embedded Google Maps by 50% by developing an environment agnostic statistics post-processing pipeline
- Navigated technical complexities of instrumenting C++ APIs in an Android Java test environment by utilizing SWIG Directors to port libraries into a Java test app
- Led the process to automate testing releases of the Vehicle Maps Service SDK, ensuring data quality and system health metrics could be held to Key Performance Indicators in pre-production environments

Google Ads   **Sep 2020 - Aug 2021**
- Launched App and URL Inclusion Suggestions for Display Video 360, resulting in considerable improvement for tens of thousands of Ad campaigns which used the suggestions
- Developed system to automate tracking and alerting for the precision, recall, and F1 score of App and URL inclusion suggestions to help monitor the impact of algorithm improvements, and catch potential regressions early
- Automated monthly reports for Directors and VPs of Google Ads to communicate the impact of Campaign suggestions in reducing customer tickets and increasing campaign effectiveness

Software Engineering Intern   Boston, MA
Google Travel   **May - August 2019**
- Improved debugging workflow efficiency by developing a platform to automate detection of common issues
- Utilized modular design allowing developers to 'plug and play' new bug detectors leading to expedited isolation of bugs and issues
- Developed tooling to visualize the process through which trips are clustered together, providing valuable insight during the debugging process
- Established and automated precision-based metrics for the destination inference pipeline enabling developers to quantitatively measure the impact of system improvements

Software Engineering Intern   Mountain View, CA
Google Pixel Camera   **May - August 2018**
- Learned and implemented Javascript and CSS best practices to build an intuitive, scalable web based image tuning tool used across multiple imaging teams at Google
- Streamlined architecture of a bit-accurate image signal processor (ISP) in collaboration with a multidisciplinary team of camera and imaging engineers
- Led a partner team in Google Taiwan by bringing them up to speed on internal development tools and planning a project roadmap to enable their success in the development of the image tuning tools

President   Rolla, MO
Beta Alpha of Kappa Alpha   **Nov. 2018 - Nov. 2019**
- Established and communicated key objectives to unite over 100 members toward a common goal
- Empowered officers and committee heads to establish and complete high-level goals throughout our term
- Regularly interacted with campus leadership to lobby for the needs of the organization and the Greek community

Technology Experience

Experienced	Java, C++, Python, Embedded C, SQL, Unit Testing, Integration Testing
Proficient	SWIG, Javascript, Closure, Databases, Operating Systems
Exposure	Guice, Neural Networks, Rust,