

MyungJae Matthew Lee

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WORK EXPERIENCE

Software Engineer **iPro Systems** **Nov. 2022 – Present**

- Develop and deploy RESTful APIs and elegant UIs for a multi-tenant web application
- Create data pipelines utilizing AWS, Airflow, and Spark
- Refactor parts of legacy billing system utilizing PySpark to reduce processing time by ~90%

Project Manager **Cleveland-Cliffs** **Mar. 2022 – Nov. 2022**

- Optimized graphite capture leading to a ~27% decrease in the particulate matter in the air
- Oversaw multiple projects across all phases of development
- Managed resources to meet stakeholders' needs

Associate Mechanical Engineer **Cleveland-Cliffs** **June 2021 – Mar. 2022**

- Helped develop engineering specifications for a \$55M maintenance project
- Overhauled the department's lubrication protocol, reducing unplanned downtime
- Performed phase 0 engineering to ensure viability before each project

Engineering Intern **KPI Incorporated** **June 2020 – Aug 2020**

- Designed conveyors and layouts for custom use-cases with an emphasis on safety

Laboratory Assistant **Rose-Hulman Institute of Technology** **Aug. 2017 – May 2021**

- Developed 2D drawings and 3D models within the design constraints and requirements

SKILLS

Languages

- Java, Python, JavaScript, SQL, HTML/CSS, Bash, Go

Frameworks/Libraries

- Spring Boot, FastAPI, Node.js, Express.js, Vue.js, React.js, Apache Spark, Hugo

Tools

- Git, Docker, Airflow, Maven, Flyway, Auth0
- AWS (S3, EC2, EMR, RDS, Codebuild, ECR/ECS, SQS, SES),

EDUCATION

Rose-Hulman Institute of Technology

B.S. Mechanical Engineering, Minor in Mathematics

Aug. 2017 – May 2021

Terre Haute, IN