

# MyungJae Matthew Lee

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## WORK EXPERIENCE

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

- Design and deploy RESTful APIs and elegant UIs for a multi-tenant web application
- (re)Write ETL scripts utilizing Spark to reduce runtime
- Automate recurring work with Apache Airflow
- Troubleshoot and debug

**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**

- Developed 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**

- Designed 2D drawings and 3D models as required for various projects

## EDUCATION

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**Rose-Hulman Institute of Technology** **Aug. 2017 – May 2021**  
B.S., Mechanical Engineering, Minor in Mathematics *Terre Haute, IN*

## SKILLS

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### Languages

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

### Frameworks/Libraries

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

### Tools

- Git, AWS (EC2, EMR, RDS, Codebuild, ECR/ECS, Route53), Docker, Airflow, Maven
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