

# Neil Kim

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## EDUCATION

**University of Michigan**

*Computer Science-College of Engineering*

**Present - May 2023**

*GPA 3.3*

## WORK EXPERIENCE

**Union Pacific – Omaha, NE**

*January 2022 – Present*

*Big Data Engineering Intern*

- Designed a new data pipeline to extract, transform, and load (ETL) 10,000,000+ daily raw railcar messages to create up to 23% more visibility of all incoming data using SQL, Scala, Spark, Hadoop
- Automated daily ETL process reducing manual searching time of offline data by 30% for Finance Team
- Parsed 100% of the raw messages into a new table where 100% of the messages have accurate values from the events table in EDE database
- Created audits for each step of ETL process and ran all audits on each day for 2022 to ensure each message matches
- Discussed with Finance Team to coordinate a data analysis report on financial benefits of the data pipeline and its potential uses

**Dairy Queen - Troy, MI**

*May 2018 – October 2021*

*Operations Manager*

- Supervised 8 team members overseeing scheduling, quality control, and cash flow management
- Managed inventory over 200 SKUs, responsible for maintaining healthy WOS & reporting slow moving products to corporate management
- Coordinated 7 new franchise product releases over 18 months leading to 9% growth in annual revenue
- Trained 18 new employees in a two-year span, promoting 4 to assistant managers

## PROJECTS

**Mission Productivity**

*January 2022 – May 2022*

- Developed mobile Android app designed to help users improve mental and physical health by having a social media base where users can track and compete their stats/awards against peers
- Published app onto Google Play Store applying modern applications: React-Native, Firebase, and Expo
- Motivated its users with competitive features that led to 30% more approval of daily usage
- Underwent multiple testing phases with diverse control groups to compile various tests for potential bugs and receive feedback to implement back into the app
- Tested numerous UIs that endorsed user-friendly interface, 96% of class approved app as beneficial to their well-being and practical for any user

**iPhone 12 Case Project**

*January 2021 – May 2021*

- Directed iPhone 12 casing design process leading to creation of 3 prototypes focusing designs on sleekness, durability, and a polished midsize model
- Designed variety of models through AutoCAD testing each of its practicality and durability
- Voted best concept award with 93% student approval among 600 students, with having the opportunity to 3D print 200 models to hand out

## SKILLS & AWARDS

- |                             |                                |
|-----------------------------|--------------------------------|
| • C++ (Proficient)          | • SQL (Intermediate)           |
| • JavaScript (Intermediate) | • Dean's Honor List            |
| • HTML & CSS (Intermediate) | • Scala & Spark (Intermediate) |
| • Python (Intermediate)     | • Korean (Proficient)          |