

LUKE HURST

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3,852 Consecutive Days Running a Mile or More

EDUCATION

University of Michigan, Ann Arbor

B.S.E in Computer Science & Engineering

Classes Taken:

- EECS280: Programming and Data Structures
- EECS281: Data Structures and Algorithms
- EECS285: Practical Java Programming
- EECS370: Intro. to Computer Organization
- EECS376: Foundations of Computer Science
- EECS381: Object Oriented Programming
- EECS388: Intro. to Computer Security
- EECS482: Intro. to Operating Systems
- EECS484: Database Management Systems
- EECS485: Web Database and Info. Systems

GPA: 3.6/4.0

April 2017

EXPERIENCE

Nike Technology

Data Engineer - Advanced Analytics

Beaverton, OR

February 2019 - Present

- Built and maintained the data, application, and hosted the model for sneaker launch demand forecasting that unlocked over \$4M in EBIT per geo/season
- Utilized full stack technologies ranging from ETL (Airflow, EMR, Spark), to backend (Python, Flask, AWS Lambda/API Gateway), and frontend (AngularJS, HTML5)
- Provided technical and system design leadership when approaching engineering problems and communicated with leadership, stakeholders, and team members

Nike Technology Rotation

Rotation 3: Service Management Developer

Beaverton, OR

August 2018 - February 2019

- Built RESTful API's enterprise management services like incident management to allow integration and automation with the enterprise management tool, saving over 120 hrs/week in manual work
- Ensured API authorization, authentication, and rate limiting, and followed REST best practices so that API consumers could self-serve and add value quickly

Rotation 2: Advanced Analytics Data Engineer

March 2018 - August 2018

- Built an automated platform health testing system that probed the most commonly used tools as well as critical system integrations and sent proactive alerts to minimize impact to analytics operations
- Enabled data scientists by building a framework for containerizing models with Docker to allow easier development, troubleshooting, and seamless deployment throughout the platform

Rotation 1: Supply Chain Application Engineer

July 2017 - March 2018

- Implemented an SAP inventory planning tool and modified existing data flows to improve always available product levels and save over \$4M in inventory positions
- Improved and maintained a full-stack web application in a fully agile framework

TD Ameritrade

Advanced Technology Intern

Ann Arbor, MI

May 2015 - August 2015

- Collaborated with social media, business, and Advanced Technology teams to identify design requirements for an application that monitors social media traffic and aids customer service
- Implemented a custom web application client using JavaScript, HTML, and CSS and a custom server backend using JavaScript with Node.js and Express.js

TECHNICAL STRENGTHS

Programming Languages

Web Technologies

Databases

Tools

C++, C, Java, JavaScript, Python, Swift, ARM Assembly
Angular, React, REST, Node.js, Express, Spring Boot, Flask
Oracle SQL, Teradata, MySQL, SQL*Plus, SQLite, Snowflake
Linux, Git, SVN, Vim, IntelliJ, Jenkins, Docker, Airflow, Terraforma