MATTHEW WRIGHT

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SKILLS

Languages: Java, Python, JavaScript (ES6), SQL, HTML/CSS, MATLAB/Octave

Tools & Frameworks: Django, React, Redux, PostgreSQL, MySQL, AWS, MongoDB, Linux, Bash, Git, Selenium, Webpack, Maven, Gradle, Dropwizard

Design: User-Centered Design, Iterative Design, Rapid Prototyping, User Personas

EDUCATION

University of Waterloo, 2016-2021
Candidate for Bachelor of Applied Science in Systems Design Engineering

Lund University, Jan – June 2020
Study abroad in Lund, Sweden

Certificate in Machine Learning
Stanford University – Coursera

PROJECTS

Tangelo, *JavaScript, React*
Developed presentational table component using React; library had 200+ downloads in a week

The Electronet, *Arduino C*
Designed custom clarinet for user with fine motor impairment

Linear Regression Expectation, *Python*
Used SKLearn to implement regression-based algorithm that predicted baseball teams' winning percentage with greater accuracy than traditional Pythagorean expectation

EXPERIENCE

Software Engineer, Apple, Siri Sports Domain   **Aug 2019 – Dec 2019**
Cupertino, California, USA
- Created developer tool that allowed engineers to perform end to end testing of any sports situation through proxying third party data providers
- Enhanced tool by scaling tool to fully deployed web application, allowing QA and design teams to leverage simulation capabilities
- Collaborated with others to ensure a broadly impactful solution, evidenced as tool was adopted by several domains teams that relied on third party data

Full Stack Developer, Zanbato LLC   **Jan 2019 – May 2019**
Mountain View, California, USA
- Developed Django/React web application to support an SEC commissioned trading system for institutionally sized blocks of private equity
- Championed design and implementation of client management feature which increased broker activity by 165%
- Key contributor in backend refactorization that reduced codebase by 10%
- Developed automated end to end tests using Selenium Webdriver

Data Engineer, EllisDon   **May 2018 – Aug 2018**
Mississauga, Ontario, Canada
- Developed pipeline that powered dashboard for executives by migrating data from third party APIs into cloud-based data lake and data warehouse using Python, AWS, and MySQL
- Deployed ETL processes using AWS EC2, Lambda, S3, and RDS
- Built machine learning model to predict employee turnover using multinomial logistic regression, tailored algorithm to improve accuracy by 20%
- Collaborated with interdisciplinary team in an Agile development environment

Software Engineer, Dematic Limited   **Sept 2017 – Dec 2017**
Mississauga, Ontario, Canada
- Led controls software team for two $100,000+ projects, completing all projects on schedule and on budget
- Developed PLC programs using RSLogix 500 and Studio 5000
- Managed an interdisciplinary team of millwrights and electricians while on-site

Electrical Controls Designer, Dematic Limited   **Jan 2017 – April 2017**
Mississauga, Ontario, Canada
- Designed state of the art materials handling systems for Fortune 500 clients
- Drafted wiring schematics using AutoCAD Electrical
- Spearheaded electric estimation for $1,000,000+ project, won the contract

INTERESTS

Professional Sports, Pool, Ping Pong, Weightlifting, Water Sports, Kendama