Kenta Morris

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Mechatronics Engineering

Work Experience

Software Developer at OpenText

September 2017 – December 2017

- Developed and tested backend features in **Node.js** for Core as part of Data Team
- Migrated data and refactored database code to remove over-dependence on **ElasticSearch** indexing
- Supported **EventBus** implementation to increase scalability of Opentext Core
- Implemented unit tests to increase code coverage by **30%**
- Monitored and configured build testing within **Jenkins** and **Teamcity**
- Configured and debugged **Docker** containers for **Redis**, **Kafka**, and **Kue** within the development environment

Quality Assurance Engineer at Epiphan Video

January 2017 – April 2017

- Developed extensive automation test suites in **Python**, saving 40+ hours of manual testing for each firmware iteration
- Integrated SSIM image recognition, text recognition, and other keywords into **Robotframework Selenium** environment

Projects

Line Following and Music Reading Robot

- Designed award winning line following robot capable of processing shades of grey and outputting corresponding musical notes as part of a campus wide competition
- Collaborated with a team to program microcontroller (**C**) and machine the chassis

AlgoRhyme: Poem Generating Program

- Gathered and organized information from different dictionaries by creating text parsing procedures (**C++**)

Personal Website

- Created and formatted a personal website using **HTML**, **CSS**, and **Bootstrap**
- Designed aesthetics and animations with **JavaScript**

Interests and Activities

Jam (Garage Band) Club Head

Athletics Team Member

- Competed on Soccer, Hockey, Cross-Country, Track and Field, Tennis, and Ultimate Frisbee teams
- Enjoys guitar playing, visual art, and camping

Languages

- C/C++
- Node.js
- Python
- JavaScript

Technologies

- Docker
- Vagrant
- Jenkins
- PostgreSQL
- Postman
- Sequelize
- Chai/Mocha
- SVN
- JIRA
- Git
- Robotframework
- AutoCAD
- SolidWorks

Education

University of Waterloo

Mechatronics Engineering

September 2016 – Present

- Biomechatronics Design Team
- Recipient of President's Scholarship

Courses

- Data Structures and Algorithms
- Digital Computation