Kenta Morris

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1B Mechatronics Engineering

Work Experience

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
- Reported bugs in new firmware releases on **Jira** and developed workarounds
- Redesigned existing automated tests, doubling test speed and enabling Linux test station compatibility
- Coordinated during meetings with Development and Quality Assurance teams to set goals for test automation and firmware releases
- Prepared test stations and oversaw tests for frame grabber circuit boards

Python, Robotframework, SVN, Bash, Jira

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 Teensy LC microcontroller (**C++**) and machine the chassis

AlgoRhyme: Poem Generating Program

- Gathered and organized information from different dictionaries by creating text parsing procedures (**C++**)
- Conceptually planned, implemented, and debugged syntax and pronunciation matching functions

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++**
- **Python**
- HTML/CSS
- JavaScript

Technologies

- **Robotframework**
- Bash
- SVN
- Jira
- Git
- Bootstrap
- AutoCad
- SolidWorks

Education

University of Waterloo

Mechatronics Engineering

September 2016 – Present

- Member of Robotics Team
- Recipient of President's Scholarship

Courses

- Data Structures and Algorithms
- Digital Computation
- Engineering Graphics and Design