Aristides Mairena

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EDUCATION

UNIVERSITY OF SASKATCHEWAN | MSc in Computer Science
Expected 2019 | Saskatoon, SK

MERCYHURST UNIVERSITY | B.A in Information Technology
Aug 2013 - May 2017 | Erie, PA
Cum. GPA: 3.6 / 4.0 • Major GPA: 3.88 / 4.0

EXPERIENCE

ERIE CUSTOM COMPUTER APPLICATIONS | Software Developer Intern
May 2016 – Dec 2016 | Erie, PA
- Migrated and Merged existing Access databases into SQL Databases.
- Developed a responsive Web Application to simplify management of databases using C# and ASP.NET.
- Developed automated generation of reports through Crystal Reports.

MERCYHURST UNIVERSITY TUTORING | Peer Tutor
Jan 2015 – Apr 2017 | Erie, PA
- Facilitated a learning environment for one-on-one tutoring in Computer Science courses, providing students with study techniques that resulted in improved academic performance.
- Classes Tutored: Programming I, Programming II, Intro to Data Science

RESEARCH

HCI LAB | Graduate Research Assistant
Aug 2017 – Present | Saskatoon, SK
Worked with **Prof Carl Gutwin** and **Prof Andy Cockburn** investigating human perception to visual stimuli across the visual field. Publication submitted.

MERCYHURST MATH DEPT. | Computer Programming Assistant
Aug 2015 – Apr 2017 | Erie, PA
- Designed database schema containing over 15 tables for forensic anthropology data.
- Created databases utilizing PHP5, and MySQL that streamlined data management.
- Developed intake forms that improved user experience for interaction with MySQL Database.

LANGUAGES

PROGRAMMING
Java • Python • JavaScript • R • HTML • CSS • C# • PHP • SQL • LaTeX

Software/Libraries:
Tableau • Gimp • D3.js • SQL Studio

SPOKEN & WRITTEN
Native fluency:
English, Spanish
Reading fluency:
French

PUBLICATIONS

[1] M. Dechant, I. Stavness, A. Mairena, and R. L. Mandryk. Empirical evaluation of hybrid gaze-controller selection techniques in a gaming context. In *Proceedings of the ACM Symposium on Computer-Human Interaction in Play (CHI Play 2018)*, Melbourne, VC, Australia, 2018.