

Aristides Mairena

Software Developer / HCI Researcher

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in [aristidesmairena](#)

Education

- 2017-2019 **Master of Science**, *Computer Science*, University of Saskatchewan.
2013-2017 **Bachelor of Arts**, *Information Technology*, Mercyhurst University, *Cum Laude*.

Technical Skills

- Languages C#, ASP.NET, JavaScript, HTML/CSS, PHP, SQL, Java, Python, R, L^AT_EX.
Software Visual Studio, Rstudio, SQL Server Management Studio, phpMyAdmin, Tableau, Crystal Reports.
Libraries Bootstrap, D3.js, JQuery, P5.js, ggplot2.
Prototyping InVision, Maze

Experience

- Sept 2017 - **Graduate Research Assistant**, *HCI Lab*, University of Saskatchewan, Saskatoon.
Present HCI Lab. Advisor: Carl Gutwin.
- May 2016 - **Software Developer Intern**, *ECCA*, Erie, PA, USA.
Dec 2016
 - 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
 - Created stored procedures to calculate results for distribution of funds.
- Aug 2015 - **Computer Programming Assistant**, *Mercyhurst University Math Dept.*, Erie, PA, USA.
Apr 2017
 - Designed database schema contains over 15 tables for forensic data.
 - Created databases utilizing PHP5, and MySQL that streamlined data management.
 - Developed intake forms that improved user experience for interaction with MySQL Database.
 - Built an internal tool for non-developers to freely access and update data in production databases.
- Jan 2015 - **Peer Tutor**, *Mercyhurst University Tutoring*, Erie, PA, USA.
Apr 2017
 - 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

Honours and Awards

- 2018 ISAACS Student Travel Award
2017 Faculty Scholarship (HCI Lab)
2015 Mercyhurst University Dean's List
2013-2017 Mercyhurst University International Scholarship

Conferences and Workshops Attended

- 2018 ACM CHI Conference on Human Factors in Computing Systems, Montreal, QC.
2017 MITACS Entrepreneurship Workshop, Saskatoon, SK.
2017 MAA Allegheny Mountain Section Meeting, Duquesne University.
2016 MAA Allegheny Mountain Section Meeting, Gannon University.

Languages

English (Superior Proficiency), Spanish(Superior Proficiency), French(Limited Proficiency).

Memberships

- 2018- ACM
Current