

# CATHERINE BADART

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## EXPERIENCE

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Summer 2017    Windows and Devices Group    Microsoft Corporation

*University Intern - Developer*

Worked on the Windows Compatability Oracle (CORA) team. Wrote SCOPE scripts to extract and clean customer feedback data from COSMOS streams. Grouped feedback by various pivots to prepare it for the application of sentiment anaylsis and text clustering algorithms. Goal was to see if the these results varied across different builds of Windows. Also did a small amount of web development and UI work in adding a widget to CORA's web portal.

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2016-2017    Engineering & Science Computing    University of Notre Dame

*Computer Consultant*

Ensure things in the Engineering Library Computer Cluster are running smoothly. Be there to help users with any kind of computer or printer issue on both Windows and Linux systems.

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Summer 2016    Cloud and Enterprise Division    Microsoft Corporation

*Explore Intern*

Worked on the SQL Server on Linux Team. Built a web based customer engagement app from scratch. Used Django REST Framework with some Angular, javascript and jQuery on top and SQL Server on Linux as the backend.

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2015-2016    Kaneb Center – Learning Technology Lab (LTL)    University of Notre Dame

*Media Specialist*

Project Remix encourages integrating technology into the classroom by providing resources for professors to create assignments involving video, audio, and images. My job was to make video tutorials teaching students and professors how to use software such as Adobe Premiere Pro, Audacity, Camtasia and Photoshop.

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2015    Computer Vision Research Lab    University of Notre Dame

*Lab Assistant*

Acquired and verified data for Biometrics lab studying facial scanners and their ability to create 3D images

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Summer 2015    Introduction to Engineering Program    University of Notre Dame

*Camp Counselor*

Worked at an engineering camp for high schoolers. Provided guidance to campers as they worked on building and programming a LEGO NXT Robot and constructing a Kinex bridge. This involved being very familiar with the "C-like" language they used and being able to find bugs quickly. Teaching first time programmers the fundamentals helped me to reinforce my own programming skills.

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2014    Department of Electrical Engineering    University of Notre Dame

*Website Technician*

Updated and maintained various websites for faculty in the Department of Electrical Engineering.

## EDUCATION

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2014-2018    University of Notre Dame

BS in Computer Science

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2010-2014    Holy Names Academy (Seattle, WA)

Valedictorian, AP Scholar with Distinction, President of the National Honor Society

## TECHNICAL SKILLS

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Python, C++, C, HTML, CSS, Django, JavaScript, AngularJS, jQuery, SQL, SCOPE, Java, Shell Scripting, Unix, MATLAB, LabView, Adobe Photoshop and PremierePro, Audacity, LaTeX