

# CATHERINE BADART

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## EXPERIENCE

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Summer 2016    Microsoft    Redmond, WA

### *Explore Intern*

I worked on the SQL Server on Linux Team in the Data Platform Group. My team of 2 other interns and I built a web based customer engagement app from scratch. I gained experience in front end, back end and middle tier development. We 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    University of Notre Dame

### *Media Specialist*

The Learning Technology Lab in the Kaneb Center is working on a project to integrate technology into the classroom. We do this by giving professors ideas for projects to assign students involving video, audio, and images. My job is to create video tutorials teaching both students and professors how to use software such as Adobe Premiere Pro, Audacity and Photoshop.

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2015    Computer Vision Research Lab    University of Notre Dame

### *Lab Assistant*

Computer Vision Research Lab- 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 a 5 week engineering camp for high school students called the Introduction to Engineering Program. My main role as a counselor was to provide guidance and aid to the campers as they worked on various engineering projects such as building and programming a LEGO NXT Robot and constructing a cost effective and sturdy Kinex bridge. This involved being very familiar with the "C-like" language they used to program the robots and being able to find bugs quickly. For most of the campers, this was their first time programming, so teaching them the fundamentals helped me to reinforce my own knowledge of programming.

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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.

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## EDUCATION

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2014-2018    University of Notre Dame

BS in Computer Science

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2010-2014    Holy Names Academy

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

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## SKILLS

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