

# Lucas Palmer

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## EDUCATION

<b>Waterloo, ON</b>	<b>University of Waterloo</b>	<b>Sept 2013 - Apr 2018</b>
<ul style="list-style-type: none"><li>Bachelor of Math with majors in Computer Science, Applied Math, and Computational Math (92% average)</li></ul>		

## ACADEMIC EXPERIENCE

<b>Undergraduate Research Assistant</b>	<b>University of Waterloo</b>	<b>Jan - Apr 2017</b>
<ul style="list-style-type: none"><li>Redesigned the user interface and added various analytical tools to an Android app that analyses network traffic</li></ul>		
<b>Undergraduate Research Assistant</b>	<b>University of Waterloo</b>	<b>Sept - Dec 2016</b>
<ul style="list-style-type: none"><li>Used modern trends in Android programming to redesign an investment simulation Android app</li></ul>		

## PROFESSIONAL EXPERIENCE

<b>Software Engineering Intern</b>	<b>Amazon - Seattle, WA</b>	<b>Sept - Dec 2017</b>
<ul style="list-style-type: none"><li>Worked on the contextual carryover team within the Alexa machine learning platform</li><li>Built a Django web tool that generates test cases for model testing and training</li><li>Wrote a Python script that updates model training sets to better match live data in the NLU pipeline</li></ul>		
<b>Software Engineering Intern</b>	<b>Google - Mountain View, CA</b>	<b>May - Aug 2017</b>
<ul style="list-style-type: none"><li>Worked on the personal actions team within Google Assistant and received an offer for full-time conversion</li><li>Created a query rewrite feature in Google Assistant Server with validation logic in Android and iOS frontends</li><li>Used internal Google technologies to create a Google Assistant dialog for modifying settings with voice commands</li><li>Built the initial version of the iOS frontend for an upcoming Google Assistant feature</li></ul>		
<b>Software Developer Intern</b>	<b>Toast - Boston, MA</b>	<b>May - Aug 2016</b>
<ul style="list-style-type: none"><li>Fully developed an Android display that got 1284 views with an average view time of 41 seconds in 2 weeks</li><li>Worked on a team of 3 to build the consumer-facing kiosk feature in the Android app</li><li>Investigated and implemented an optimization that reduced the cash-drawer open time by up to 40x</li></ul>		
<b>Software Developer Intern</b>	<b>BigRoad - Waterloo, ON</b>	<b>Sept - Dec 2015</b>
<ul style="list-style-type: none"><li>Expanded the Selenium and Appium automated testing suites in the early stages of the testing infrastructure</li></ul>		
<b>Software Developer Intern</b>	<b>Side Effects Software - Toronto, ON</b>	<b>May - Aug 2015</b>
<ul style="list-style-type: none"><li>Created a visual effects software node to control world-level geometry objects using Python scripts</li></ul>		

## TECHNICAL PROJECTS

- Hack Holyoke** (Nov 2016): React JS and AWS S3 web app, team of 2, Best AWS Hack Winner
- Hack Penn State** (Nov 2016): Climate and agriculture React JS app, team of 3, Food for Thought Prize Winner
- Hack Ohio State** (Nov 2016): Myo arm band drawing app, team of 3
- Hack Harvard** (Oct 2016): Text-message enabled Android app for planning and organization, solo project

## ADDITIONAL EXPERIENCE AND AWARDS

- Computational Math Scholarship** (Apr 2016, Apr 2017): Top grades in University of Waterloo Computational Math
- President's Research Award** (Sept 2016, Jan 2017): University of Waterloo grant for part-time research
- Odyssey of the Mind World Finals, 2<sup>nd</sup> Place** (May 2016): Performed an 8-minute, problem-solving dramatic skit
- Google Games, 2<sup>nd</sup> Place** (Apr 2016): A coding and problem-solving competition hosted in Waterloo
- Beach Volleyball Provincial Champion** (Aug 2015): In the 24U age division
- Beach Volleyball National Champion** (Aug 2013, Aug 2014): In the 18U and 22U age divisions
- Team Canada, Beach Volleyball World Championships** (July 2014): In the U21 age division, Larnaca, Cyprus
- National Scholarship** (Sept 2013, declined): Distinguished achievements, University of Waterloo faculty of math

## LANGUAGES AND TECHNOLOGIES

- Android, Java, C++, iOS, Objective-C, Hadoop, Spark, Django, Python, HTML, CSS, JQuery, JavaScript