

Lucas Palmer

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EDUCATION

Waterloo, ON	University of Waterloo	Sept 2013 - Apr 2018
<ul style="list-style-type: none">Bachelor of Math with majors in Computer Science, Applied Math, and Computational Math92% cumulative average		

ACADEMIC EXPERIENCE

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

PROFESSIONAL EXPERIENCE

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

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, 2nd Place** (May 2016): Performed an 8-minute, problem-solving dramatic skit
- Google Games, 2nd 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): U21 age division, Larnaca, Cyprus

LANGUAGES AND TECHNOLOGIES

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