

# Alexander E Roberts

## Current Address

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## Permanent Address

2033 Marie Drive  
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<b>Education</b>	<b>University of Michigan - Ann Arbor, College of Engineering</b> Masters of Science, Expected May 2017 Computer Science Major – GPA --/4.00  Bachelor of Science, Graduated May 2016 – Summa Cum Laude Computer Science Major, Music Minor - GPA 3.98/4.00	August 2012 - Current
<b>Work Experience</b>	<b>Fitbit Inc. – San Francisco, CA – Software Engineering Intern</b> <ul style="list-style-type: none"><li>Developed new activities page using Ember JS framework. Work included definition of models, adapters, routing, and full front end.</li><li>Transitioned Fitbit's integration with Strava from a Redis-based queue to RabbitMQ.</li></ul> <b>RetailMeNot Inc. – Austin, TX – Software Engineering Intern</b> <ul style="list-style-type: none"><li>Improved autocomplete experience by architecting SQL and Solr queries to return Category and Related Merchant data via existing PHP API interface.</li><li>Worked closely with design team to develop new suggested search drop-down template and styling using Mustache and Sass.</li><li>Researched and developed proof-of-concept to replace Solr implementation with Elasticsearch.</li></ul> <b>Continental Automotive - Auburn Hills, MI – Algorithms Intern</b> <ul style="list-style-type: none"><li>Developed data analysis and presentation tools in C++ for proprietary Continental software (MTS). Used Win32 API to display component graphics. Created tools used in presentations to major customers as well as in data analysis and collection.</li><li>Designed and wrote data transition script with GUI using wxPython to determine and create new directory structure.</li><li>Developed Android application used to gather statistical data on vehicle test drives.</li></ul> <b>Atrio Systems - Pontiac, MI – System Admin / Intern</b> <ul style="list-style-type: none"><li>Developed JavaScript Web App integrated with Microsoft Customer Relationship Management (CRM) and the Google Maps API which queried for user appointments, created a route based on start time, and displayed other customers along the route.</li></ul>	May 2016 – August 2016 June 2015 – August 2015 May 2014 – August 2014 May 2013 – August 2013
<b>Programming Experience</b>	<b>Languages &amp; Technologies</b> C++, Python, Node, Ember, PHP, SQL, Swift, JavaScript/jQuery, HTML/CSS, Sass, Java, Git, Bash, Mustache, Handlebars, Solr, Elasticsearch, iOS, Android, Unity, C#, Matlab.  <b>University of Michigan Fall Career Fair iOS App</b> Project developed for the U of M Fall career fair. Listed organizations, events, and announcement information. Allowed users to “favorite” organizations and events they wished to attend and display organization locations at the fair on maps.	
<b>Other Experience</b>	<b>Eta Kappa Nu - Ann Arbor, MI – Officer, Member</b> <ul style="list-style-type: none"><li>Operations officer winter 2016, involved staffing, restocking, and managing student run cafe</li></ul> <b>Michigan Marching Band - Ann Arbor, MI – Performer</b> <ul style="list-style-type: none"><li>Rank leader for the Euphonium section senior year</li></ul> <b>Magnum – U of M Ultimate Frisbee Team – Student Athlete</b> <ul style="list-style-type: none"><li>Managed time between school, workouts, and daily team practices.</li></ul>	August 2015 – Current August 2012 – May 2016 August 2012 – Current

