
Sachin Makaram

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Education

- University of Arizona 2016 – 2018
 - B.S. Computer Science
 - University of Washington 2014 - 2016
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Coursework & Skills

- Coursework
 - Data Structures, Algorithms, Database Design, Software Engineering, Computer Organization, Systems Programming & Unix, Analysis of Discrete Structures, Object-Oriented Design, Web Development, Android Development, Linear Algebra, Multivariable Calculus, Statistics
 - Languages
 - Java, C, Python, HTML, CSS, JavaScript, PHP, SQL
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Experience

- UA Computer Science Department – **Teaching Assistant** Present
 - CSC 337: Web Programming
 - Help students understand concepts and debug code
 - Hold office hours and grade assignments and exams
 - VMware – **PHP Developer Intern** May – Aug. 2017
 - Developed PHP and SQL code to enhance the user experience for the vExpert web tool, a social network for tech evangelists who use VMware products to help the community
 - Automated the platform virtualization process by programming the Amazon Echo AI to build and manage virtual machines using voice commands
 - Cisco – **IT Engineering Intern** Jun. – Aug. 2016
 - Expedited the CRM data workflow by writing java programs using Salesforce APIs to stream data from Salesforce to Apache Kafka and Hive
 - Graphed Cisco web analytics using ELK stack technologies to make it more visually appealing
 - Moxtra – **Software Development Intern** Aug. – Sep. 2015
 - Improved company's Android SDK documentation by using it to build and test apps
 - Represented company at Hack the North in Ontario, Canada and helped troubleshoot problems developers were having integrating Moxtra APIs
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Organizations

- Startup UW – **Operations Executive Officer** 2014 - 2016
 - Organized joint Computer Science-Business student events
 - Monta Vista Robotics Team – **Public Relations Officer** 2012 – 2014
 - Coached FIRST LEGO League team, represented team for Chairman's Award Presentation, presented at IEEE Product Safety Chapter Meeting
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Projects

- FootPrint Aug. – Dec. 2017
 - Created an android app with Firebase that allows you to input personal metrics for daily activities (transportation, food, and electricity), calculates your carbon footprint, and gives personalized tips and suggestions to reduce carbon emissions
- \$crooge Jan. 2017
 - Created a financial advisement Facebook Messenger bot using Node.js that helps college students save money on a monthly basis through budget analysis
- PayMe Apr. 2016
 - Created an android app with Android Studio that allows you to scan a receipt, split the bill with friends, and request payments from friends you are splitting the bill with using the PayPal.me API