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561-601-0300   **Aarthi Arunachalam**   Seattle, WA, 98107

TECHNICAL SKILLS
1-3 years: C++, C#, Xamarin Test Cloud, Azure Service Fabric, Javascript, PHP, CSS
3+ years: Java, Python

RELEVANT EXPERIENCE

Web Development Consultant, STI Regional Response Coalition   Jan 2018 – Sept 2018
- Created membership, forum, and file upload features for STIRR website (www.stlstirr.org), which over 50 public health organizations use as a centralized source of information
  - Selected and incorporated WordPress plugins to match client's needs and budget
  - Edited backend files to coordinate between plugins for consistent information **(PHP)**
- Communicated regularly with non-technical client and adapted plans with changing expectations
- Wrote separate documentation for users, web admin, and programmers explaining features

Associate Software Developer, Care Otter   June 2016 – Apr 2017
- Designed and built a system to keep track of relevant entities and their connections with each other **(C#)**
  - Created functions to efficiently traverse entity graph and store and retrieve data
  - Partitioned data into multiple nodes using Azure Service Fabric
- Implemented functions to keep data consistent from front-end to back-end
- Built automated QA tests for back-end and front-end (Android and iOS) testing through Xamarin Test Cloud

Software Developer Intern, Amazon   June 2015 – Aug 2015
- Updated the layout for the Luxury Beauty product group description feature **(Javascript/CSS)**
  - This feature has now been expanded to the Amazon Private Label product group as well
- Implemented user-facing features as part of sprint work with the Retail Page Consumables team
- Created a consistent look in desktop and mobile using Amazon UI Elements

Teaching Assistant, Washington University   Aug 2013 – May 2016
- Courses: Computer Science I, Computer Science II, Rapid Prototyping and Creative Development, Introduction to Artificial Intelligence, Database Management Systems
- Assisted students for 10-15 hours each week during lab time and office hours
- Reviewed concepts and answered questions, and informed the professor about areas of difficulty
- Graded exams and evaluated students' project demonstrations

Software Developer Intern, Answers   May 2014 – Jul 2014
- Designed and built a prototype Answers app for Google Glass **(Java/Glassware GDK)**
- Added front-end features to Android app, keeping style consistent with the iOS app **(Java/Android SDK)**

SERVICE EXPERIENCE

Beyond School Success Coach, Americorps   Oct 2017 – Jul 2018
- Mentored up to 15 scholars daily to improve academic, social, and emotional skills
  - Raised academic competency of struggling students by two months for every month of attendance
  - Guided students to build emotional regulation and coping skills through weekly workshops and regular feedback
- Built a holistic understanding of scholars' needs and weaknesses through regular communication with teachers and parents, utilizing this assessment to provide individualized mentorship
- Planned and taught a weekly enrichment course on basic coding, using Scratch to teach the foundations of computer programming in an age-appropriate way

EDUCATION

Washington University in St. Louis   St. Louis, MO
M.S. in Computer Science*, School of Engineering and Applied Science*   Aug 2012- Dec 2015
B.A. in Environmental Studies*, College of Arts and Sciences*   Aug 2005 - Aug 2009