Cody Pham

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Education

University of California, San Diego   Expected Graduation - June 2018
Bachelor of Science, Computer Science

Technical Skills

Languages: Java, C++, C#, HTML/CSS, JavaScript
Methodologies: Agile Software Development, Object Oriented Design
Development Tools: Android Studio, Git, IntelliJ, JIRA, Valgrind, Visual Studio
Operating Systems: Mac OS, Unix/Linux, Windows

Work Experience

Software Engineer Intern   June – September 2017
Intuit   San Diego, CA
- Collaborated with a team of full-time engineers to redesign Intuit's internal CRM platform modules using Apex, JavaScript, and Skuid to support sales agent tools for QuickBooks Online

Software Development Intern   June – September 2016
Echo, A HealthStream Company   San Diego, CA
- Designed and developed application plugins using C# to retrieve healthcare provider data from various state medical board websites into the Echo Credentialing database, which receives 16 million queries per year
- Performed plugin software upgrades to support image validation and verification
- Optimized search feature to detect and map aliases for healthcare providers, improving search result accuracy on the Echo provider database and eliminating the need for repeated requests
- Redesigned existing front end pages in the Echo Access web application using HTML, CSS and ASP to enhance page navigation and usability, which is deployed in 50% of hospitals in the United States

Computer Programming Tutor   January – December 2016
UC San Diego Computer Science and Engineering   San Diego, CA
- Wrote and tested solution code for Java programming projects and executed grading scripts
- Managed and hosted lab hours to aid students in debugging syntax and semantic errors in programming assignments
- Facilitated small group discussions to familiarize students with Java programming techniques and principles such as Object-Oriented Programming, Inheritance and Polymorphism

Additional Projects

codypham.com
- Actively developing, deploying and maintaining a personal website using HTML, CSS and JavaScript on GitHub

CoupleTones Android Application
- Key member of location-based messaging project designed to wirelessly track, send and record location visits between paired Android devices
- Utilized Google Maps and Firebase APIs to log user-selected locations and visit history
- Successfully developed the application using Java by employing the Scrum process and Android Studio IDE

Dynamic Auto-Complete
- Completed a C++application that auto-suggests word or phrase completions based on user input and word frequency
- Implementation included a combination of custom dictionary tries and priority queues to optimize runtime efficiency

Food For Thought Web Application
- Developed a web application for UC San Diego students to view nutrition and price information of independent on-campus restaurants into an integrated online portal
- Implementation included Node.js, along with Express and Handlebars frameworks for site engine and templates