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ALEX VALLEJO

714 Carriage Drive
Wexford, PA 15090
GitHub: valleyjo

EDUCATION

Pittsburgh, PA	**University of Pittsburgh**	**Graduation: April 2015**

Bachelor of Science (B.S.) in Computer Engineering
Cumulative GPA: 3.6 out of 4.0

Ho Chi Minh City, Vietnam	**University of Economics and Finance**	**May 2012**

Plus3 engineering study abroad program; 15 company visits including computer software & hardware firms

LANGUAGES AND TECHNOLOGIES

Proficient: Java, C#; Prior Experience: C, Ruby, Python, PHP, MIPS Assembly language, SQL, JavaScript, JQuery
.Net, Ruby on Rails, Sinatra, LAMP, Visual Studio 2010-13, Subversion, Git, GitHub, Vim, HDL Designer

EMPLOYMENT AND LEADERSHIP

SDE Intern	**Microsoft Corporation**	**Summer 2014**

Implemented notifications for users of OneDrive who have expiring/expired bonus storage
Part of a critical JSON API call that is run 3.5 million times a day
99.998% quality of service

Software Engineer Intern	**KIT Solutions LLC**	**Summer 2013**

Built a Timesheet web app to track the time spent on projects for analysis and billing purposes.
5000 lines of code; C#, .Net MVC

Technical Director	**The Green Hope Orphanage, Inc.**	**2013-2014**

Responsible for the technical direction of the orphanage's philanthropic arm including the website
(greenhope.us) and the organization's IT strategies

Secretary	**The Delta Chi Fraternity**	**2012-2014**

Maintain chapter records and by-laws; record minutes for meetings

National Leadership Conference	**Deloitte Consulting LLP**	**July 2013**

Highly selective opportunity for students to develop their leadership, team-building and problem solving skills

Engineering Peer Advisor	**University of Pittsburgh**	**Fall 2013**

Taught two sections of an official university course to assist freshmen with their college transition

TECHNICAL PROJECTS

Orgman. Automate the organization of your student organization. Production quality web app with a full test suite using continuous integration (Travis CI). Ruby on Rails. Source: https://github.com/valleyjo/orgman

Model United Nations Seat Assignment Tool. A WinForms app that takes input as an excel spreadsheet and assigns candidates to seats based on qualifications and preferences.
C#, .Net, WinForms; Source: https://github.com/valleyjo/seat-assign

MIPS CPU. Full implementation of the MIPS instruction set. Includes five pipelines, L1 cache and interrupts. HDL Designer & VHDL. Source available upon request.

HONORS AND ACHIEVEMENTS

Eagle Scout: Leadership project established a computer lab at Angels' Place; Estimated benefit: **$13,500**