Josué J. Alfaro

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EDUCATION

The University of Texas at Austin:

> B.S. Electrical and Computer Engineering, May 2017
> > Focus: Software Engineering & Computer Architecture
>
> GPA: 3.7/4.0
>
> Honoraires:
> > University Honors: Spring 2014, Fall 2015, Spring 2015, Fall 2015, Spring 2016, Spring 2017
> > University of Texas College Scholar (2015, 2016)

Scholarships:

> Gates Millennium Scholar, 2013
> Terry Foundation Scholar, 2013
> President's Achievement Scholar, 2013
> University Leadership Network Scholar, 2013

SKILLS

Programming Languages: Java, C, C++
Software: Vim, GDB, Git, GitFlow, Subversion, Intellij, Atom
Operating Systems: UNIX/Linux, OSX, Windows

EXPERIENCE

Honest Dollar | Software Engineer   09/2017 - Present

Subsidiary of The Goldman Sachs Group, Inc.

➔ Helping people by providing them a medium which allows saving for their retirement
➔ Developing reactive microservices

Realty Management | Software Engineer   07/2017 - 09/2017

The Goldman Sachs Group, Inc.

➔ Internal web application that provides faster retrieval of data and a friendlier user experience
➔ Primarily developed RESTful API and worked on frontend to consume data

Private Wealth Management Trading Systems | Software Engineer Intern   06/2016 - 08/2016

The Goldman Sachs Group, Inc.

➔ Design Java library that establishes hierarchical representation between different business entities
➔ Integrated Java library into existing web application, used as a data visualization tool

Customer Insight Center of Excellence | Software Development Intern   05/2015 - 12/2015

Lenovo Group Ltd.

➔ Developed multiple programs in order to collect various user data from internet sites
➔ Created text mining rules that analyzed data provided by Spanish speakers to help understand their sentiment on Lenovo products

Software Design & Implementation I | Undergraduate Teaching Assistant   08/2016 - 01/2017

The University of Texas at Austin

➔ Assist students with developing techniques for applying critical thinking process to new situations
➔ Help deploy and grade software projects, help design homework assignments

Equal Opportunity in Engineering Program | Engineering Tutor   08/2014 - 05/2015

The University of Texas at Austin

➔ Provide a learning environment that fosters increased motivation and commitment to achieve
➔ Expose students to ideas previously not considered and learn new study strategies

PROJECTS --

RDMA Volume Plugin for Docker
➔ Volume plugin aims to add an RDMA-enabled storage backend to Docker Volumes
➔ Build intensive testing software to make sure the volume plugin performs in appropriate manner

Simulator for the pipeline implementation of Little Computer 3b
➔ Setup deployment pipeline: continuous integration, seamless testing
➔ Writing software to simulate hardware, implement states, microarchitecture, control signals

MovieMatcher
➔ Web application that suggests movies for groups of users – suggestion based off users' ratings
➔ Primarily worked on backend RESTful API & Data Models

Blip Interpreter
➔ Developed new interpreted programming language that supports if/else statements, loops, and functions
➔ Used encapsulation and correct data structures to create scalable and maintainable code

Life Event Simulator
➔ Designed bug functionality of world: bug reproduction, gene modification, bug deaths, movement
➔ Established that the moving forward gene takes over the rest of the other genes

MasterMind
➔ Developed Graphical User Interface using JavaFX
➔ Designed program with MVC architecture, polymorphic programming, encapsulation, and clear interfaces

ACCOMPLISHMENTS --

Hispanic Scholarship Fund National Leadership Conference, Inaugural Class
Eta Kappa Nu (HKN), Psi Chapter