

Joey Hu

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Education

The George Washington University, Washington DC

Master of Science in Computer Science, May 2014, GPA 3.55

Sun Yat-Sen University, Guangzhou, China

Bachelor of Engineering in Information Security, June 2012, GPA 3.2

Technical Skills

- Languages: C++, Ruby, Javascript, HTML, CSS
- Frameworks: Ruby on Rails, Backbone.js, Bootstrap, jQuery
- Databases: MySQL, SQLite, MongoDB
- Cloud Platforms: Parse Javascript SDK, Heroku API, DigitalOcean
- Operating System: Linux Ubuntu, Mac OS, Windows
- Versioning: Github

Experience

Javascript Developer

[Cove, Washington D.C.](#)

Nov 2013-Present

- Backbone.js development(using Parse API) for cove. Responsible for the website's functionality and user interface design.
- Implemented member reservations for spaces at cove in the mobile website.
- Improved date/time pickers in the desktop website.
- Added edit reservation feature in the desktop website.
- Added social features into the website using socket.io. Members can friend each other and message each other in real-time.

Ruby-on-Rails Developer

[Routeam, Washington D.C.](#)

May 2013-Feb 2014

- Helped bootstrap a new startup in DC with the Ruby on Rails Framework.
- Created mailers based on user actions using mailcatcher.
- Implemented payments process for the website using Braintree Payments API. Members can store their credit cards, remove their credit cards, cancel transactions.
- Created model-view-controller structure for health coaches. Members can view coaches information and schedule a class with coaches. Admin can edit coaches.
- Implemented initial pre-release version of waiver signature feature. Members can sign their health & fitness waiver form using touch screen or mouse, and receive a confirmation pdf through email.
- Implemented the survey functionality. Customers can take the survey and admin can modify the survey.

Projects

[Tic-tac-toe\(2014\)](#). A tic-tac-toe game with unbeatable AI(Minimax algorithm). (Javascript,HTML,CSS)

[Personal Website\(2014\)](#). My personal blog hosted on Digital Ocean. (Rails, HTML,CSS)

Vulnerability Discovery and Code Execution Exploit(2013). Identified the vulnerability from the server application. Developed an assembly program to generate shellcode and simultaneously get the command line (DOS) access of the server's host via inserting shellcode. (C, Assembly)

[Microblogs\(2013\)](#). A twitter-like weblogs website. I built this web blog to learn Ruby on rails. (Ruby on Rails)