

Yunchen Wei

about

(215)609-2441

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languages

English
Chinese

programming

Java, Android
Python, Ruby, C
HTML/CSS/Javascript,
SQL, Git, Bash

skills

Photoshop, Premiere,
ArcGIS, L^AT_EX, Rhino

Education

May'2016	MCIT Candidate , Computer and Information Technology University of Pennsylvania, Philadelphia, PA	N / A
Jun'2014	B.Sc. Degree , Environmental Science and Engineering Fudan University, Shanghai, P.R.China	3.57 / 4.00

Courses

Android Programming, Algorithms, Databases, The Hardware/Software Interface, Linux, Software Engineering, Interactive Programming in Python, Java Programming, Web Programming(in progress, with Ruby on Rails)

Projects

Oct'2014	Data Analyzer for `Factbook` A website analyzer for CIA World Factbook. Used Nokogiri to parse HTML and extracted specific information based on user input.	Ruby
Sep'2014	"Silence No More" for PennApps A website for women reporting violent attacks info, built on NodeJS. Established a map based on Google Map API to display attack statics and generated a heat map of history statics.	NodeJS/Javascript/HTML/CSS
Jul'2014	Multiplayer Minesweeper Similar to real Minesweeper but with multiple players for one board. Built on top of client-server model. A multi-thread server was set up to deal with multiple clients' requests. Thread-safe data structure was implemented for Minesweeper.	Java
Apr'2014	"RiceRocks" Game An updated version of "Asteroids," a classic arcade game. Visual complexity was added by using sprite class, with full animation built on top of tiled images. Acceleration and friction were calculated to make game more realistic.	Python
Mar'2014	Data Compression Program Based on Burrows-Wheeler transform algorithm, outcompressing gzip and PKZIP.	Java
Feb'2014	Image Resizing Program Based on seam carving algorithm. Removed seams(paths of least importance) to reduce image size. Additional optimization was made through rearranging the loop to better fit locality of reference.	Java

Certifications

2014	Sun Certified Java Programmer(SCJP) Oracle Certified Professional, Java SE 6 Programmer	Oracle
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