Oscar W. Lee

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EDUCATION

University of Massachusetts Amherst
Bachelor of Science in Computer Systems Engineering
Class of 2017

TECHNICAL STACK

I. Ruby on Rails Developer
- Ruby 2
- Rails 4/5
- RSpec
- SQL (MariaDB/postgres)
- HTML/CSS
- Bootstrap
- Javascript / JQuery / Ajax
- Apache / NGINX
- GIT
- REST / API / WSDL
- MAC/Windows
- Redhat server
- VIM

II. IT intern
- Bash / CMD
- AutoHotKeys
- Bloomberg Terminal
- Excel (Tables/Formulae)

III. Cores Systems Assistant
- Java
- Struts 2
- SVN
- Ubuntu / Debian server
- InDesign CC documentation

IV. Project/Coursework
- AWS / EC2 / S3 / SNS
- C/C++
- Python
- Bash
- MATLAB
- VLSI
- Verilog
- OpenGL
- Photoshop / Lightroom

EXPERIENCE

I. UMass Parking Services
Ruby on Rails Developer   **April 2015 - Present**

◦ managed and created features in Ruby on Rails for internal application (i.e. closing garage, emailer for parking citations, and a communication log.).

◦ developed a parking pass application (in Sinatra), which allocated thousands of permits to date.

◦ implemented an online forum between Parking Enforcements and Parking admins to log Parking issues.

◦ built an open source RoR golf cart app and inventory check API for eventual public reservation.

◦ daily standups and weekly code reviews, in addition to Git/Slack communication

◦ practiced agile development through feedback from clients and administrators.

◦ emphasized user friendliness, dynamic single page apps/features with JS, JQuery, or Ajax and stylized with Bootstrap and custom CSS.

II. State Street Bank & Trust Co.
IT intern   **Summer 2012**

◦ compiled and reviewed securities and exchanges between the Federal Reserve and the US Treasury.

◦ created bash scripts to expedite manual work; 8 hours of work to 30 minutes.

◦ coordinated meetings between managers and departments for quarterly reviews.

◦ analyzed and compiled subsidiary stocks with Bloomberg Terminal.

III. Boston College
Cores System Assistant   **Summer 2011**

◦ performed backend duties of testing `and solving technical holes.

◦ debugged BC's Agora portal in Java along with SVN experience.

◦ created BC's Diploma applet on the Agora portal with Struts 2 and Java.

◦ compiled development documentation with the Redhat/Linux servers.

IV. Project/Coursework

Emota

◦ created a conversation tool to help the autistic with camera and APIs to analyze conversation mood and emotion; returned to user as a score.

◦ streamlined data between hardware, AWS, APIs, and Push server through scripts.

Personal Webpages

◦ developed multiple personal/commercial pages for clients (i.e. hardejuice.com).

◦ designed clean and dynamic pages in HTML/CSS, JS, and bootstrap.

◦ assumed web admin duties: domain hosting, Apache/NGINX, and Mail servers