Randolph LIANG

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🎓 EDUCATION

Aug 2014 Dec 2018	**B.S. in Computer Science — Virginia Tech — Blacksburg, VA** ❯ Minor in Mathematics `GPA : 3.22`

💼 EXPERIENCE

May 2018 Aug 2018	**IT Development Intern — Genworth Financial — Richmond, VA** ❯ Restructured company intranet site ❯ Developed a script to redact PII (personally identifiable information) from a 100,000 file repository `Python` `VBA` `LifeRay DXP` `Apache Tomcat`
May 2017 Dec 2017	**Software Engineer Co-Op Intern — Leidos — Reston, VA** ❯ Gained proficiency in version control (GitLab) and branching strategies ❯ Created and designed a mis-attributable network using VMs as nodes/hops ❯ Developed a Python (TKinter) GUI that fed a JSON of user input to Scrapy spiders to obtain pertinent OSM map data `Vagrant` `Python` `VirtualBox` `vCenter/vSphere` `Powershell` `Bash` `Wireshark` `C#`

🔧 PROJECTS

Fall 2017	**Lyric Bot, PERSONAL** ❯ Twitter bot that scrapes lyrics from the web and tweets them every 30 minutes `Python`
Spring 2017	**Extensible Shell, CS-3214** ❯ Process management for various UNIX commands, job control, and plugin support `C` `Cyberduck` `vim` `GDB`
Fall 2016	**Memory Manager, CS-3114** ❯ Memory management package for storing records of songs/artists from a million-song database that uses a hash table to store handles ❯ Implemented a range query using a 2-3+ tree to retrieve songs written by specific artists `Java` `Eclipse` `JUnit`
Fall 2016 Present	**Website, PERSONAL** ❯ Site is linked in the header `HTML` `CSS` `JavaScript`

☰ SKILLS

Proficient	Java, Python, VCS (Git, Stash), GNU/Linux, macOS
Familiar	JavaScript (ES6), Ruby/Vagrant, LaTeX, HTML, CSS, Wireshark, PostgreSQL, Docker
Currently Learning	Firebase, Ember.js, MEAN stack, containerization