

MATTHEW C. PETTERSSON

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OBJECTIVE

Seeking a Software Engineer position in an innovative and growing company, which maintains an outstanding culture.

TECHNICAL SKILLS

Languages: Java and Python.

Tools: Vim, Git, Docker, Gradle, VMware, Rally, JIRA, Jenkins, and Unix/Linux/Mac.

Miscellaneous: OOP, Agile Software Development, SQL, NoSQL, UML, and REST.

EMPLOYMENT

Sabbatical, Shanghai, China **Aug. 2018 – Nov. 2019**

- Traveled in China, Hong Kong, Macau, Cambodia, Indonesia, S. Korea, and Thailand.
- Studied Mandarin Chinese.

Software Engineer III, Cisco Systems, Richardson, TX **May 2014 – Oct. 2017**

- Developed a machine learning log analysis tool for *Cisco Unified Call Manager* (CUCM) logs, written in Python and Java.
- Implemented D-Bus for the Cisco internal *Test Next Generation Python* (TNGpi) testing framework in Twisted Python.
- Worked on a Java based D-Bus interface for Cisco 8800 Series IP Phones.
- Created an augmented reality mobile application proof of concept using C# and the Unity engine to serve as a CUCM endpoint.
- Built and maintained a JavaScript, Spring Framework, and MySQL web app to coordinate and manage the release of documentation and firmware.
- Lead developer for a Cisco internal, Java-based, *Intelligent Performance Automated Framework* (IPAF); a framework to aid in the performance evaluation and development of the CUCM.

Software Engineer II, Cisco Systems, Richardson, TX **Mar. 2013 – May 2014**

- Built a user-friendly call generator GUI tool, in Java, for performance tuning of the CUCM.
- Developed a JSON-based configuration for IPAF, establishing a generic configuration file format, to greatly enhance end user experience and efficiency.
- Wrote Python, TCL, Bash, and expect scripts to control and emulate A/V traffic for the CUCM.

Intern, Cisco Systems, Richardson, TX **Sept. 2010 – Mar. 2013**

- Configured lab and development servers, networks, network storage, VPN, on physical and Wi-Fi networks.
- Perl scripting for Cisco UC320W call automation.
- Tested Cisco small business embedded Linux devices such as the Cisco UC320W, SG500 switches, NSS300 NAS, SPA300 and SPA500 Series IP Phones.

EDUCATION

Master of Science in Computer Science **Dec. 2013**
University of Texas at Dallas, Richardson, TX

Bachelor of Science in Computer Science **Dec. 2011**
University of Texas at Dallas, Richardson, TX

PROJECTS & HOBBIES

mpettersson.com - A personal website focusing on programming and family.