

DALTON HANDEL

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Education

Bachelor of Science, Computer Engineering
Iowa State University – Ames, Iowa

May 2018

Technical Skills

Java – **2.5 years** – Projects pertaining to sorting, searching, graph algorithms, string processing, etc. using various data structures: heaps, hash tables, linked lists, search trees, etc.

C – **1.5 years** – Embedded systems and general programming. Calibrate sensors and create logic to complete a Mars Rover project autonomously.

PHP – **1 year** – Parse incoming JSON information from an Android application to relay information from a database.

MySQL – **1 year** – Create and manage a database to contain data for multiple sports.

VHDL – **1 year** – Program a pipelined processor to execute MIPS assembly instructions.

Puppet – **0.5 year** – Automate cloud server configuration

Ruby – **0.5 year** – Write unit tests for Puppet code coverage and gems to aid in automation

Powershell – **0.5 year** – Create scripts for fine-tuned automated configuration of cloud servers

Work Experience

Cloud Systems Engineer FUTURE

June 2017 – August 2018

Netsmart Technologies – Overland Park, KS

- Follow agile code development process
- Use puppet to automate deployment of ~1000 servers
- Write Powershell scripts for application specific automation
- Create unit tests to verify a minimum of 95% code coverage
- Consult with outside teams to strategize configuration of servers

Activities

Internet-Scale Event and Attack Generation Environment (ISEAGE)

- Compete in Cyber Defense Competition with Peers

Information Assurance Student Group (IASG)

- Attend weekly meetings covering various current topics in cyber security