

PETER  
OTT

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OttPeterR.com  
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#### Education

**George Mason University, Honors College**  
**Computer Science, BS - May, 2017**

#### Qualifications

Secret Security Clearance Holder  
Languages: Python, Java, MatLab, JavaScript, R, Lisp, C, Haskell  
Data Libraries: Keras, Pandas, NumPy  
Dev Environments: IntelliJ, Eclipse, Jupyter Notebook, PyCharm  
Operating Systems: \*nix, MacOS, Windows  
Version Control: Git, Subversion  
Build / Integration: Jenkins, Nexus, GitLab, Maven  
Dev. / Collab.: Jira, Sharepoint, Bugzilla, Redmine

#### Professional Experience

**Associate Software Engineer - 2013 -present**  
**Innovative Defense Technologies - IDTus.com**

- 2018. Member of successful CMMI level 3 audit team. Developed tools for micro service monitoring and repair. SBIR proposal team member.
- 2017. Machine learning clustering for optimized image metadata search. Executed a Security Technical Implementation Guide (STIG) test.
- 2016. Network fuzz testing with evolutionary machine learning.
- 2015. Improved optical character recognition accuracy on low resolution images from ~30% to ~70% with machine learning techniques.
- 2014. Plotted vehicle locations from SQL onto NASA's WorldWind open-source 2D and 3D globe.
- 2013. JUnit testing and bug fixes.

#### Personal Projects

Home surveillance Raspberry Pi with chat bot integration via Telegram  
Raspberry Pi 4-node cluster for Hadoop  
Sentiment analysis chat bot via Telegram  
Personal projects: [github.com/OttPeterR](https://github.com/OttPeterR)  
AI / ML competitions: [kaggle.com/ottpeterr](https://kaggle.com/ottpeterr)

#### Volunteer Experience

**Web Admin, Catholic Campus Ministry at GMU, 2014 - 2017**

- 2016. Created a SquareSpace site. Recorded and edited weekly videos.
- 2014-15. Managed Joomla website using FTP, HTML, CSS, etc.