John Herman

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Education

University of Virginia, School of Engineering and Applied Science **May 2017 (Expected)**
Bachelors of Science in Computer Science, GPA 3.0

Relevant Work Experience

Rackspace Inc., Blacksburg, Virginia
Intern III, Cloud Office Automation Team **May 2016 – August 2016**
- Primary individual responsible for system that created ~2000 new fully configured test/development/dedicated environments weekly and used daily by 15+ full time developers

Intern II, Cloud Office Automation Team **May 2015 – August 2015**
- Pulled and collaborated on team stories from the same pool as full time developers
- Developed for and maintained system that created ~2000 new test environments weekly

Intern I, Cloud Office Automation Team **June 2014 – August 2014**
- Facilitated automatic API and product testing for Hosted Exchange development teams
- Contributed to open source API testing tools the mocktopus (API mocking) and the playtypus (API playback)

MITRE Corporation, Hampton, Virginia **September 2012 – May 2013**
Mentorship with Justin Brunelle
- Refined interface for open-source project warrick.cs.odu.edu (site no longer active)
- Visualization of statistical system performance
- Programmed in PHP, Javascript, and updated the Warrick website

Projects

TheoryBlockPuzzle
Constraint solver with algorithms to generalize Sudoku and others to exact cover problem

GoPlus
Networked and expanded version of Go, made using primarily functional programming in F#

Achievements

VCU Java Programming Competition – 5th Place, 4th Place **2012, 2013**
Great Computer Challenge – 1st Place **2012**

Technologies – Chef, Jenkins, Azure, AWS, Rackspace Openstack, Linux (Ubuntu, Centos), Windows Server, Git, Django, HTML, SQL, MongoDB, OpenGL

Languages – Java, PHP, F#, C#, Ruby, PowerShell, Python

Industry Experience – DevOps, Agile

Interests – Hiking, backpacking, animals, cooking, personal programming projects, and film