

Nicholas Gilbert

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Beaverton, OR

EDUCATION

- **Portland State University** Portland, OR
Bachelors of Science in Computer Science; Cumulative GPA: 3.95 *September 2015 - June 2019*

EXPERIENCE

- **CorVel Corporation** Portland, OR
Systems Administrator / Systems Engineer *June 2019 - Present*
 - **Cloud Administration:** Maintained and created Infrastructure as Code (IAC) templates, pipelines, and applications deployed to Azure cloud services.
 - **Deployment Framework Development:** Modernized an old on-premises deployment mechanism to work with Azure DevOps release management, using a custom deployment script structure.
 - **Customized Reporting:** Created customized reporting solution for release status using REST APIs calls to Azure DevOps, Powershell, SQL and Power Bi
 - **Automation:** Created Systems Center Orchestrator and Azure Automation runbooks to automate tasks and maintain alerting mechanisms.
- *Systems Administration Intern* *May 2018 - June 2019*
 - **Systems Administration:** Managed and maintained Windows desktop and server ecosystem. Utilized enterprise solutions for device monitoring, compliance, and troubleshooting.
 - **Remediation and Extension:** Developed solutions in Powershell and C# for issue remediation and for extending functionality of the desktop environment. Deployed solutions to company workstations using SCCM.
 - **Hardware Setup:** Setup site servers as a Windows HyperV host and deployed server to remote offices.
 - **DevOps Solutions:** Created proof-of-concept Azure DevOps Build and Release Pipelines to deploy websites to on-premises servers.
- **Portland State University Department of Computer Science** Portland, OR
Computer Science Tutor *April 2017 - May 2018*
 - **Tutoring:** Aided and instructed students in understanding important undergraduate Computer Science concepts and techniques, including data structures, object oriented programming, computer science theory, and low level programming.

PROJECTS

- **ROBOTIS OP3 - Portland State University Capstone** C++, HTML, Javascript
<https://op3-tools.gilbertdev.net>, <https://op3-demo.gilbertdev.net> *January 2019 - June 2019*
 - **Vision Detection Enhancements:** Developed a probability-based vision detection algorithm to improve detection of a ball for a humanoid robot's on-board camera.
 - **Cross Platform Bridge:** Created bridge for new tuning elements in the broadcast web interface to core operating service using ROS modules.
 - **Multiple Repositories:** Maintained code changes across multiple repositories.
- **shTab Firefox Extension** Javascript, HTML, CSS
<https://gitlab.com/gilben/shTab>
 - **New Tab Shell:** Open source Firefox extension written in base Javascript that replaces the new tab page with a shell environment. Mimics Bash in usage and syntax.

SKILLS

Programming Languages

C, C++, C#, Java, Javascript
Python, Bash Scripting, Powershell
Haskell, Elm, HTML, CSS
SQL

Platforms

Ubuntu Linux
Windows 7, Windows 10
Windows Server 2012 - 2019
Microsoft Azure

Technologies

Git, TFS
SCCM, Active Directory
Bash, QEMU, Visual Studio
Azure DevOps, Docker