Nicholas Gilbert

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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	**Platforms**	**Technologies**
C, C++, C#, Java, Javascript	Ubuntu Linux	Git, TFS
Python, Bash Scripting, Powershell	Windows 7, Windows 10	SCCM, Active Directory
Haskell, Elm, HTML, CSS	Windows Server 2012 - 2019	Bash, QEMU, Visual Studio
SQL	Microsoft Azure	Azure DevOps, Docker