

WILLIAM DONOVAN EHRICH

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EDUCATION

Northwestern University (Evanston, Illinois) *Sept. 2016 – Mar. 2018*

Degree: Master of Science in Computer Science, **GPA:** 3.94/4.00

Coursework: Design and Analysis of Algorithms • Biometrics • Introduction to Computer Graphics
Human Computer Interaction • Introduction to Database Systems • Machine Learning
Internet of Things • Readings in Database Systems

Northwestern University (Evanston, Illinois) *Sept. 2009 – Jun. 2013*

Degree: Bachelor of Science in Chemical Engineering

WORK

Technical Support Engineer – OSIssoft, LLC (San Leandro, CA) *Sept. 2013 – Jun. 2016*

- Resolved issues with the design, implementation, and use of OSIssoft LLC's proprietary PI System software, closing over 1,000 cases
- Authored PowerShell scripts for extracting diagnostic information including Windows Event Logs, lists of installed programs and operating system versions
- Taught an internal training class on the use of command line tools for troubleshooting software issues

PROJECTS

Grads on Track (HTML5, CSS3/Bootstrap, JavaScript/jQuery) *Jan. 2017 – Mar. 2017*

- Built a web interface for an application used to track graduate school applications

Illuminated Jewels (JavaScript, WebGL, GLSL ES) *Jan. 2017 – Mar. 2017*

- Created a world filled with 3D shapes, camera controls, and various lighting and shading methods

ORGANIZATIONS

Institute of Electrical and Electronics Engineers (IEEE) at Northwestern *Jan. 2017 – Present*

- Currently serving on executive board, helping plan hackathons and social events

VOLUNTEERING

Graduates Mentoring Undergraduates (GMU) at Northwestern *May 2017 – Present*

- Provide academic and career advice to undergraduate students

Splash at Northwestern *Feb. 2017 – Apr. 2017*

- Taught an introductory class on developing websites with HTML to 12 high school students

SKILLS

Programming Languages: Python, C++, Java, HTML, CSS, JavaScript, WebGL, MATLAB

Scripting, Querying, and Markup Languages: Windows Command Line, PowerShell, T-SQL, LaTeX

Integrated Development Environments: Visual Studio, Eclipse, NetBeans, PyCharm

Operating Systems: Windows, Mac OS X, Linux (Red Hat, Ubuntu)

Software Tools: PI System, Microsoft SQL Server, Internet Information Services (IIS), SharePoint

Other Software Skills: Windows Server Administration, Networking

Non-Technical Skills: Teaching, Mentoring, Public Speaking