

# WILLIAM DONOVAN EHRICH

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## EDUCATION

**Northwestern University** (Evanston, IL)

*Sept. 2016 – Mar. 2018*

**Degree:** Master of Science (MS) 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, IL)

*Sept. 2009 – Jun. 2013*

**Degree:** Bachelor of Science (BS) 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

**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

**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

## 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, MATLAB

**Other Languages:** HTML, CSS, JavaScript, T-SQL, Git, LaTeX, PowerShell, Windows Command Line

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

**Integrated Development Environments (IDEs):** PyCharm, NetBeans, Visual Studio, Eclipse

**Other Software Tools:** PI System, Microsoft SQL Server, Internet Information Services, SharePoint

**Non-Technical Skills:** Teaching, Mentoring, Public Speaking