

# 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** – OSIsoft, LLC (San Leandro, CA) *Sept. 2013 – Jun. 2016*

- Resolved issues with the design, implementation, and use of OSIsoft 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 an undergraduate engineering student

**Splash at Northwestern** *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, LaTeX, SQL, Git, Bash, PowerShell, Windows Batch

**Operating Systems (OSs):** Microsoft Windows, Linux (Red Hat, Ubuntu), macOS

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

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

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