

# WILLIAM EHRLICH

**Address:** 2207 Ridge Ave., Apt. 1B, Evanston, IL 60201

**Phone:** 617-775-5105 • **Email:** [wdehrich@gmail.com](mailto:wdehrich@gmail.com)

**LinkedIn:** <https://www.linkedin.com/in/wehrich>

**GitHub:** <https://github.com/wehrich>

## EDUCATION

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

McCormick School of Engineering and Applied Science

**Degree: Master of Science in Computer Science, GPA: 3.850/4.000**

**Coursework:** Design and Analysis of Algorithms, Biometrics, Introduction to Computer Graphics, Human Computer Interaction, Introduction to Database Systems, Machine Learning

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

McCormick School of Engineering and Applied Science

**Degree:** Bachelor of Science in Chemical Engineering

## WORK EXPERIENCE

**OSIsoft LLC**, San Leandro, CA

*Technical Support Engineer* 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

## PROJECT EXPERIENCE

*GradsOnTrack* Jan. 2017 – Mar. 2017

- Built a web interface for an application used to track graduate school applications
- Encoded HTML5 web pages, styled with CSS/Bootstrap, and functionalized with JavaScript/jQuery

*Projects in Computer Graphics* Jan. 2017 – Mar. 2017

- Created a world filled with 3D shapes, camera controls, and various lighting and shading methods
- Developed 3 projects using JavaScript, WebGL, and GLSL ES

## PROFESSIONAL GROUPS

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

- Executive Board Member

*Association for Computing Machinery (ACM)* Jan. 2017 – Present

- Student Member

## SKILLS

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

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

**Integrated Development Environments:** Visual Studio, Eclipse, Netbeans

**Operating Systems:** Windows, Mac OS X, 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