WILLIAM EHRICH

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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   Sept. 2013 – Jun. 2016
Technical Support Engineer
- 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