

WILLIAM EHRRICH

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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 – 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

Grads on Track (HTML5, CSS/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

Splash at Northwestern

Feb. 2017 – Apr. 2017

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

Institute of Electrical and Electronics Engineers at Northwestern

Jan. 2017 – Present

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

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