William D. Ehrich

Address: 2207 Ridge Ave., Apt. 1B, Evanston, IL 60201 ● **Phone:** (617) 775-5105
Email: wdehrich@gmail.com ● **Website:** wdehrich.com ● **GitHub:** wdehrich ● **LinkedIn:** wdehrich
AngelList: wdehrich ● **Facebook:** wdehrich ● **Messenger:** wdehrich ● **Twitter:** wdehrich

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

Projects

Facebook Volume Comment Prediction | Python, scikit-learn   *Apr. 2017 – Jun. 2017*
- Developed regression trees and neural nets to predict numbers of comments on Facebook posts

Smart Space Heater | Java, Raspberry Pi, IBM Bluemix, Twilio   *Apr. 2017 – Jun. 2017*
- Built a home Internet of Things (IoT) temperature monitoring and notification system

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*
- Serving on executive board, helping plan hackathons and social events

Volunteering

Graduates Mentoring Undergraduates (GMU) at Northwestern   *May 2017 – Present*
- Providing academic and career advice to an undergraduate computer 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, Weka, MS SQL Server, IIS, SharePoint, PI System