

# Max McCord

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An inquisitive problem-solver who is quick to adapt to new challenges thanks to a love of learning and a positive attitude.  
Passionate about technology and its ability to touch the human experience and shape modern life.

## TECHNICAL SKILLS

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**Languages** – C++, Java, JavaScript, Python

**Technologies** – Windows/Linux Drivers | PXI, PCI/PCIe | Git/Perforce | Node.js | AngularJS | Amazon Web Services | WinDbg

## PROFESSIONAL EXPERIENCE

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**Staff Software Engineer** – National Instruments, Austin, TX Aug. 2016 – Present  
Developing driver-level software for NI PXI, a PCI-based platform for automated test, measurement, and control.

- Acting as Technical Lead for the software support of NI's latest line of PXI chassis. Features include chassis identification, monitoring, and control.

**Software Engineer** – National Instruments, Austin, TX Jul. 2014 – Aug. 2016  
Developed cross-platform software (both kernel- and user-mode) to assist in the identification, monitoring, and control of NI PXI chassis, embedded controllers, and MXI hardware.

- Worked on an Agile team as a major contributor to the development of NI PXI Platform Services.
- Designed and implemented component for discovering and providing connectivity information for PXI(e) MXI devices.
- Presented at a company-wide technical conference on the adoption of open-source practices within NI, and later defined the official guidelines for contributing to NI's infrastructure components.
- Actively mentored new team member, becoming their first point of contact for all questions.
- Major contributor to the porting of our software stack to Linux, for the release of NI Linux Real-Time.

**Software Engineering Intern** – National Instruments, Austin, TX May 2013 – Aug. 2013  
Worked as a team-member of NI's Driver Services group.

- Implemented XML-based export functionality for NI IO Trace, an application for logging low-level device driver calls.

## ADDITIONAL EXPERIENCE

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**Full-Stack Developer** for Chattergram.co May 2015 – Present  
Acting as the lead developer for Chattergram, a social media site for creating and sharing memes in real time about current events.

- Designed and implemented the Chattergram architecture, including user management, content creation tools, support for voting, comments, and notifications, and an e-mail management system.
- Leveraged technologies such as Node.js, Express, AngularJS, MongoDB, Java, and Amazon Web Services (EC2, S3, SES, SQS).

## EDUCATION

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**Texas Tech University** – Lubbock, TX Aug. 2011 – May 2014  
Bachelor of Science in Computer Engineering, *summa cum laude* (GPA: 3.98)