

## Eric S Wilcox

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- OBJECTIVE** To obtain a rewarding full time position in a field that both excites and challenges me continuously.
- EDUCATION** **Texas A&M University**, College Station, TX *August 2015 (expected)*  
*Master of Science in Computer Science*, current GPA: 3.66
- Colorado Mesa University**, Grand Junction, CO *May 2013*  
*Bachelor of Science in Computer Science*  
Magna cum laude - GPA: 3.89 (Major GPA: 4.0)
- PROGRAMMING LANGUAGES** • C++ (4+ years) • Java (2 years) • Python (1+ year) • Delphi (6 months)  
• Arduino + C (3+ years) • jQuery + mobile (1 year) • JavaScript (6 months)  
• Software Engineering (multiple projects and familiarity with development cycles: 2 years)  
• GitHub and Subversion version control software (6+ months) • HTML (1 year)  
• Linux and Android systems (2 years) • Eclipse and Visual Studio environments (3+ years)  
• Software Defined Networking (SDN) and some security experience (hands on coursework)
- RELEVANT EXPERIENCE** **Graduate Research Assistant** Texas A&M University 1/2014 – present  
Research under Dr. Riccardo Bettati, Computer Science Department (20+ hours/week)  
• Researching security vulnerabilities and possible solutions in near field communication (NFC).  
• Design and implementation of NFC systems over various platforms (Android, Linux, Arduino).  
• Maintaining lab, setting up computer systems, assisting in equipment purchases for project.
- HONORS** • Team won the 2013 CMU Student Showcase Award for “Adaptable Robot Brain” April 2013  
• Team won the 2012 CMU Student Showcase Award, Project for "The House" April 2012  
• Recipient, Colorado Space Grant Scholarship, Colorado Mesa University 2010, 2011, 2012  
• Recipient, President's Parking Award for outstanding student at Colorado Mesa October 2011
- LEADERSHIP** • President of the student chapter of the ACM at CMU September 2012 – May 2013  
• Treasurer of the student chapter of the ACM at CMU September 2011 – May 2012
- MEMBERSHIP** • National Honor Society, Alpha Chi, Colorado Mesa University 2011 – present  
• National Mathematics Honor Society, Kappa Mu Epsilon 2012 – present  
• Association of Computing Machines (ACM) Student member 2010 – present
- NOTABLE PROJECTS** • Designed and created a complete reservations tracking system for the Bureau of Land Management in Grand Junction, Colorado. Used Microsoft Access and a SQL database to create, maintain and issue camping permits along a newly monitored section of river campsites.
- Sat on the search committee for Colorado Mesa University in the spring of 2013 to find two new professors for the Department of Computer Science, Mathematics and Statistics. Participated in curriculum vitae reviews, video and on campus interviews with final round candidates.
- Was part of team ‘Mojavaton’ for the 2013-2014 DARPA Robotics Challenge (DRC). Assisted in development of a sensor glove for control of robotic hands. The team competed in December, 2013, at the DRC event in Miami. We plan on returning for the finals in 2014.
- Developed a mobile application called the "EzBrzy Homework Planner" with a team member. The application is a planner tailored to students designed to allow quick assignments reminders on the go. The application is currently available on the Google Play Store.
- Worked with a team designing and building custom hardware and software to provide a safety protection and monitoring system for a homeless youth shelter in Grand Junction, Colorado called “The House”. Multiple sensors placed throughout the house controlled by Arduinos over a wired network update a central server logging information and alerting the on and off site staff of anomalies. We completed the project within our client’s timeline over the next year and were asked to expand the system to other floors after that. A video was put together for the final presentation which can be viewed at [vimeo.com/40829305](http://vimeo.com/40829305).
- Designed and built robots for autonomous navigation as part of a team for the NASA Space Consortium Robotics challenge held by Adams State College in 2010, 2011 and 2012. Different robots were created each year and taken to compete cooperatively in Alamosa, CO.

- Mentored students from Collbran Job Corps in FIRST Robotics competitions in 2011 and 2012. These machines used a National Instruments cRIO modular control board and included a short autonomous period followed by wirelessly controlled joystick navigation.
- Have been on teams with fellow students competing in the ACM International Collegiate Programming Competition (ICPC) from 2010 to 2012.
- Held supervisory certification for asbestos remediation (1 year, not renewed) from the Colorado Department of Public Health and Environment.

## SKILLS

- Outstanding communication, organizational, project management and presentation skills.
- 4+ years tutoring and teaching students in mathematics and computer science.
- Ability to work well in diverse team environments with frequent reorganization.
- Have developed software and hardware from the ground up, individually and in teams.
- Enjoy developing new technologies, tools and applications in all areas of computer science including work not listed here, such as artificial intelligence, tele-operated systems, algorithmic analysis, prototyping systems and hardware and problem solving.

## TEACHING EXPERIENCE

**Graduate Teaching Assistant** Texas A&M University 8/2013 – 1/2014  
Computer Science Department (20+ hours/week)

- Taught multiple lab sections for C++ computer science and engineering courses.
- Held office hours with availability to students assisting with projects and assignments.
- Executed and graded student programs, monitored attendance and assisted professors.

**Student Tutor / Lab Assistant** (2 positions, same responsibilities)

Colorado Mesa University – Computer Science Department

9/2010 – 5/2013

Colorado Mesa University – Tutorial Learning Center

8/2012 – 5/2013

- Tutored students on a walk in basis in computer science and mathematics.
- Was responsible for the computer labs and assisting with systems as needed.

## WORK EXPERIENCE

**Computer Systems Technician**, Valley Grown Nursery – subcontract basis 8/2004 – 1/2013

- Troubleshoot computer systems and networks as needed including any problems with information backups, network connectivity and company website.

**Sales Associate / Accounting**, Valley Grown Nursery – full time

5/1998 – 8/2004

- Calculated and processed employee payroll.
- Performed all in house accounting, including A/R, A/P, G/L reconciliation, budgeting, reporting and bank deposits.
- Maintained computer systems for wholesale and accounting department in multiple locations.
- Performed wholesale sales and frequently recruited new customers.
- Traveled throughout Colorado's western slope to meet with existing and potential clients.
- Gave tours of growing fields and overall operation when requested by clients.
- Assisted shipping department in scheduling deliveries of wholesale products.
- Presented company in a professional manner for industry conventions and trade shows.
- Attended monthly landscape industry meetings as company representative.
- Maintained daily operations of wholesale department and overall operations when required.
- Assisted all departments when required, including inventory control and verification, equipment operations, retail customer assistance and special event planning and management.

**REFERENCES** Available upon request