Curriculum Vitae
Tyler Morrow

Objective

To obtain a full-time computer science teaching position at an accredited state university. The reference number for the position of interest is 00059846.

Contact Information

Missouri University of Science and Technology (formerly University of Missouri-Rolla)
500 W. 15th St.
208 Computer Science Bldg.
Rolla, MO 65409
Phone: (636) 233-2325
E-mail: tmorrow@mst.edu
Work web page: `http://tmorrow.xyz`
Github: `https://github.com/tymorrow`

Education

6/2014–5/2016   M.S. in Computer Science (in progress) (Cumulative GPA: 3.6)
Missouri University of Science and Technology, Rolla, MO
Advisors: Dr. Ali R. Hurson and Dr. Sahra Sedigh Sarvestani

8/2009–5/2014   B.S. in Computer Science (Cumulative GPA: 3.2)
Missouri University of Science and Technology, Rolla, MO

Technical Skills

Languages	C++, C#, SQL, JavaScript, Python, Go, HTML/CSS, LaTeX, Java
Frameworks	ASP.NET MVC, Entity Framework, WPF, Boost
VCS's	Git, TFS

EXPERIENCE

8/2015–5/2016 Graduate Teaching Assistant
Co-Designed/co-taught Contemporary Programming Languages (Spring 2016)
Taught Intro to C++ Lab (Fall 2015)
Missouri S&T Computer Science Department
Rolla, Missouri

6/2009–5/2014 Staff Assistant
Supported faculty and staff in optimizing department organization and workflow. Worked with faculty to develop C++ assignments and course website.
Missouri S&T Computer Science Department
Rolla, Missouri

6/2013–8/2013 Process Automation Intern
Designed and implemented a delay tracking system and redesigned eight desktop applications for production line operators to better monitor production.
ArcelorMittal USA
Burns Harbor, Indiana

1/2012–8/2012 Programming Intern
Designed and implemented a web application (ASP.NET) for business people to better monitor power plant status.
Associated Electric Cooperative Inc.
Springfield, Missouri

6/2011–8/2011 Programming Intern
Designed & implemented a task management solution for maintenance crews.
Associated Electric Cooperative Inc.
Springfield, Missouri

6/2010–8/2010 Residential Assistant
Missouri S&T Residential Life Department
Rolla, Missouri

6/2010–8/2010 Networking Intern
Stuart Maue Ltd.
St. Louis, Missouri

6/2009–8/2009 Networking Intern
Stuart Maue Ltd.
St. Louis, Missouri

Honors and Awards

2014-2015	Department of Education GAANN Fellowship for doctoral educational in information assurance for critical infrastructure; covered all costs of education and provides up to $30,000 per year of stipend.
2014	International Telemetry Conference: First Place Award for Undergraduate Student Papers for my work with the Missouri S&T Mars Rover Design Team.

Research Areas

Sequence prediction, recommender systems, personalized learning technology, clustering.

Publications

1. Tyler Morrow, Sahra Sedigh Sarvestani and Ali R. Hurson. "Faster Travel to Knowledge of Mutual Interest." To be submitted to the 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS'16).

2. Tyler Morrow, Nathan Jarus, Michael Wisely. "Open Source Software for Automated Assignment and Grading of Programming Homework." To be submitted to the 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS'16).

3. Tyler Morrow, Sahra Sedigh Sarvestani and Ali R. Hurson. "Pervasive Cyberinfrastructure for Personalized Education." Handbook of Research on Applied Learning Theory and Design in Modern Education. IGI Global, 2016. 817-839. 24 Mar. 2016.

4. Tyler Morrow. "A context-aware ontology for personalized learning: Pervasive computing for educational technology." Pervasive Computing and Communication Workshops (PerCom Workshops), 2015 IEEE International Conference on. IEEE, 2015.

5. Tyler Morrow. "A Modular and Extensible User Interface for the Telemetry and Control of a Remotely Operated Vehicle." International Telemetering Conference Proceedings. International Foundation for Telemetering, 2014.