

STEPHEN ROLLER

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OBJECTIVE

To obtain a challenging summer internship in software development in a vibrant software startup.

PROFESSIONAL EXPERIENCE

Software Development Intern – TransLoc, Inc.

Raleigh, NC. 06/2010-08/2010

- Developed software for automated correction of inaccurate and inconsistent geospatial data.
- Project used to process all bus routes of the Chicago Transit Authority, the third largest bus system in the United States.
- Project was a larger and extended version of Senior capstone course.

Augmented Reality Engineer – Bathysphere: An Interactive and immersive virtual environment

Chapel Hill, NC. 02/2010

- Virtual world projected onto three walls and the floor, making for an immersive, augmented reality.
- Motion capture technologies used to control characters in the virtual environment based on movements of physical objects.
- Part of the CHAT digital humanities festival at University of North Carolina at Chapel Hill.
- For more information, visit <http://www.chatfestival2010.com/bathysphere.html>.

Software Developer – Tenniscores.com, Inc.

Raleigh, NC. 05/2006 – 08/2008

- Led a team of 3 developers to create a tennis social networking site.
- Developed social networking and tennis league management software using modern web technologies, including PHP, Python, MySQL and Amazon EC2.
- Flagship product used by more than 250,000 players in 100 leagues throughout North America.

EDUCATION & HONORS

Ph.D. in Computer Science

University of Texas at Austin. Austin, TX. 08/2010 – Present

- MCD Fellow

Bachelors of Science in Computer Science

North Carolina State University. Raleigh, NC. 08/2006 – 05/2010

- Graduated Valedictorian with CSC Honors
- GPA: 4.0/4.0
- Recipient of Computer Science Senior Award for Scholarly Achievement 2009-2010
- Recipient of the Northrop Grumman Scholarship, 2008 – 2009

SKILLS AND INTERESTS

Professional experience with Python, Java, C#, PHP and related technologies. Familiar with many more. Research interests include logic based artificial intelligence and natural language processing. Highly motivated and skilled to solve difficult engineering problems.