

Patrick Cash

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Experience:

Freelance Software Developer Current

- Frontend focused full stack development using React\Redux for user interface functionality and Django or Express for backend APIs

Research Assistant: SimSelf Intelligent Tutor Feb 2014 - Jan 2015

- Technical lead for a tutoring system for middle school students using an agent based question and answering system

Software Engineer: SAS Institute May 2006 - Feb 2014

- Worked on a team developing common user interface components and frameworks used by applications throughout the company.
- Independently develop web-based components as well as worked in small teams on larger frameworks.

Software Engineer: I-Cubed May 2005 - May 2006

- Supported a bulk migration tool for CAD files to move customer data from existing storage systems to new version control system.
- Worked directly with customers to develop custom data processing scripts.

Teaching Assistant: NCSU August 2004 – May 2006

- Teaching assistant for Java and Operating Systems in C courses.
- Responsibilities included: teaching classes, leading study sessions, answering student questions and test and assignment preparation and grading.

Education:

M.S. Computer Science Fall 2007

North Carolina State University, Raleigh NC

B.S. Computer Science and B.A. Physics Spring 2004

University of North Carolina at Wilmington, Wilmington NC

Technical:

Languages and Libraries: JavaScript (React, Redux, Express, jQuery), HTML, CSS (Bootstrap), Python (Django, Flask), Java (Solr, Lucene) and C# (WPF)

Additional Tools: git (github), SVN, CVS, Selenium, Webpack, Babel, Agile\Scrum