Timothy Johnson

Personal Data

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Work Experience

September 2015 June 2015	Software Engineer, Garmin International, Inc. I worked on maintaining the navigation systems for various models of Mercedes-Benz cars. I integrated various scripts that we used to analyze drive test data into a single Windows application, and added a few new features to it as well. Then I used that application to analyze the data and write reports for Daimler about any issues.

TA Experience	
Fall 2015	Formal Languages and Automata
Winter 2015	Formal Languages and Automata
Fall 2014	Introduction to Algorithms
Summer 2014	Introduction to Python

Education

Current September 2013	PhD in Computer Science, University of California, Irvine GPA: 3.9/4.0
June 2013 September 2010	B.S. in Mathematics, California Institute of Technology GPA: 3.2/4.0
June 2010 August 2007	A.S. in Mathematics, El Camino College GPA: 3.9/4.0

Publications

Goodrich, M., Johnson, T., Torres, M. Knuthian Drawing of Series-Parallel Graphs. Poster published at Graph Drawing 2015: http://www.csun.edu/gd2015/posters.htm.

Academic awards and scholarships

- 2011-12, 2012-13: Caltech, McLean Brothers scholarship. Awarded to a rising junior or senior who can demonstrate "oustanding academic achievement, leadership ability, and financial need."

Competitive math and programming

- ACM Chapter President, 2015-16. I'm coaching our team for the ICPC contest. I choose problems for our algorithm practices every week, and guide undergrads through solving them.

- Project Euler: A website hosting various challenge problems that require skill in both mathematics and algorithms. I've solved over 225 of these problems now.

- 2009-10 AMATYC math contest. I placed 8th, out of several thousand participating community college students in the US.