Jason S. Zhao

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Objective:

To offer my problem-solving skills and software development knowledge as a software engineering intern, and as a student, to continue pursuing and cultivating my passion for computer science.

Academics:

Purdue University — 2014 - Present

Overview: GPA: 3.93/4.0, 58 credit hrs. Expected graduation: 2018. BS of Science in CS. Honors College. Presidential Scholarship.

Spring 2015 Classes: CS 250: *Computer Architectures*, CS 251: *Data Structures and Algorithms*, MA 265: *Linear Algebra*, STAT 350: *Statistics*, PHIL 301H: *Honors History of Ancient Philosophy*, HONR 19902: *The Evolution of Ideas: The Nation*, HONR: 199ZD: *The Rise and Fall of the American Empire*.

Fall 2014 Classes: CS 182: *Foundations of Computer Science*, CS 240: *C Programming Language*, MA 261: *Multivariate Calculus*, ECON 251: *Microeconomics*, PHIL 150: *Principles of Logic*, HONR 19901: *Evolution of Ideas: The Mind*.

Park Tudor School — 2010 - 2014

Overview: GPA: 4.191 (weighted), 3.849 (unweighted). National Merit Finalist. National AP Scholar with Distinction. Cum Laude. Global Scholar. High Honor Roll. 200+ hrs. Community Service.

Skills:

Programming Languages

- Java
- C / C++
- ASP.Net / C#
- Python
- HTML
- CSS
- Javascript
- Matlab
- SQL

Platforms: Windows, MacOS, Android, iOS, Web, Linux, UNIX.

Other: Eclipse, Visual Studio, Android Developer, Filezilla, PuTTY, Git / Github, JQuery, Regular Expressions, Microsoft Office.

Interested in learning: Ruby, node.js, PHP, Hadoop.

Work Experience:

Web Development — 2012 - 2014

PTCD (2012 - 2013): Led a team of three to develop an online chemical database and mobile web app for Park Tudor School. Allowed teachers to use their phones to scan QR codes and "withdraw" chemicals from the database. HTML, CSS, ASP.Net, C#, jQuery, SQL.

The Cake Bake Shop (2013): Submitted website prototype for local bakery in need of a new website. HTML, CSS, ASP.Net, C#.

Scheduler HD (2013): Designed and created a scheduling web app that allows students at Park Tudor to upload and compare their schedules. HTML, CSS, ASP.Net, C#, jQuery, SQL, Regex, AJAX.

Michael and Joy's Wedding (2014): Built a website for my sister's wedding. HTML, CSS, ASP.Net, C#, jQuery, SQL.

Projects can be viewed at: http://www.jszhao.com/projects.aspx.

Research — 2011 - 2014

Computational Chemistry Research (2013 - 2014): Built an algorithm to compare molecules (antihistamines) based on fingerprint and molecular descriptor analysis. Siemens Competition Semifinalists. Python, Pybel, OpenBABEL, Avogadro, Numpy, Scipy.

Autonomous Vehicle Research (2013 - 2014): 2 year research project that concluded in a review paper of the current state-of-the-art and a one and a half hour long presentation.

Biomedical Engineering Research (2011 - 2012): Helped design cell segmentation and tracking algorithm to better analyze angiogenesis from growth-factor delivering scaffolding. Matlab, Octave.

IT Intern at Cummins, Inc. — 2012

Reviewed and tested a Perl application that monitored latency in networks in China and India. Learned about corporate IT.

Leadership / Clubs:

Purdue ACM SigAPP (App Development) (2014 - Present): Developing SafeWalk for Android and the Official Purdue App.

Computer Science TA (2015 - Present): Undergraduate teaching assistant for CS 240: *C Programming Language* (Spring 2015 term).

Purdue Triathlon Club (2014 - Present): Training for collegiate triathlons during the spring and summer.

CyberPatriot (2012 - 2014): Nationwide high school cyber defense competition. Nationals in Washington DC (2014). Team Captain.