Ivy Lei

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208 N. Harvey St. #8
Urbana, IL 61801

Education

University of Illinois at Urbana-Champaign
B.S. Statistics and Computer Science
Expected Graduation: December 2017
- Cumulative GPA: 3.47
- Dean's List Spring 2015

Coursework

- Data Structures, Systems Programming, Methods of Applied Statistics, Computer Architecture, Database Systems, Statistical Computing, Numerical Methods (current), Algorithms & Models of Computation (current)

Skills

- C, C++, Python, R, SQL, Java, HTML/CSS, PHP, Lua

Experience

ARRIS
- *Software Development Intern, Full-Time Summer 2016*
- Optimized stack memory utilization by rewriting recursive algorithms into iterative logic
- Tested the revised methods in CMTS desktop simulated system
- Submitted changes that will be implemented large scale for 2,000 modems
- Learned Skills: C, ClearCase, Cscope, Rhapsody, Linux/Bash, command line interface to E6000 machine

Projects

Therapalz – Alzheimer's Team
- *Team Member, January - December 2015*
- Assisted in creating a device that aids patients with dementia-related disorders

Activities

Women in Computer Science (WCS)
- *Active Member, August 2015 - present*
- Participate in social events and tech talks
- Attend WCS office hours to ask questions on CS-related topics

ChicTech Retreat - WCS
- *Volunteer Member, 2016*
- Assisted 20 high school girls by explaining basic concepts of HTML/CSS
- Prepared over 100 air mattresses for the girls' overnight stay on campus

References

Alan Doucette
Alan.Doucette@arris.com
Senior Director of Software Engineering
Supervised ARRIS Internship

Dale Paney
Dale.Paney@arris.com
Senior Manager of Software Engineering
Oversaw ARRIS Project