

Gina L. Sprint

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Education

Computer Science, PhD

August 2012 - May 2016

National Science Foundation ITHASE Certificate
Washington State University (WSU), Pullman, WA
4.0 GPA, Advisor Dr. Diane J. Cook

Computer Science, BS

September 2009 - March 2012

Mathematics Minor
Eastern Washington University (EWU), Cheney, WA.
3.99 GPA, Summa Cum Laude, Honors Ad Majorem

Technical Skills

Languages: C/C++, Python, Java, Swift, C# and .NET, Assembly
Software Tools: Jupyter Notebook/NumPy/Pandas/Matplotlib, Git/GitHub, L^AT_EX, etc.

Academic Experience

Assistant Professor Gonzaga University, Spokane, WA

August 2017 - Present

- Designing and teaching undergraduate programming courses.
- Implementing new pedagogical techniques from education workshops and research literature.
- Mentoring senior design teams, CS majors, and undergraduate researchers.

Clinical Assistant Professor WSU, Pullman, WA

May 2016 - May 2017

- Designed and taught undergraduate programming courses, both face to face and online.
- Mentored senior design teams, CS majors, and undergraduate researchers.

Professional Experience

Software Engineer Intern Intel Corp., DuPont, WA

May 2013 - August 2013

- Researched and designed an extensible architecture to collect and visualize microprocessor validation data in real-time.
- Authored architecture and SRS documents, user guide, and tutorial for the project.
- Presented results at the Intel Design and Test Technology Conference, 2013.

Software Engineer Infinetix Corp., Spokane Valley, WA

March 2012 - August 2012

- Designed and implemented features for utility radios to extend functionality/diagnostic support.

Software Engineer Intern Infinetix Corp., Spokane Valley, WA

June 2011 - September 2011

- Validated software and fixed bugs in a clinical chemistry analyzer machine for FDA approval.

Selected Publications

- Gina Sprint, Diane Cook, and Shelly Fritz. *Behavioral Differences Between Subject Groups Identified Using Smart Homes and Change Point Detection*. IEEE JBHI, 2020.
- Gina Sprint and Erik Fox. *Improving Student Study Choices in CS1 with Gamification and Flipped Classrooms*. ACM SIGCSE, 2020.
- Diane Cook, Glen Duncan, Gina Sprint, and Shelly Fritz. *Using Smart City Technology to Make Healthcare Smarter*. Proceedings of the IEEE, 2018.

Achievements

- WSU National Science Foundation IGERT Fellow, 2012 - 2015.
- WSU Best Computer Science Graduate Student, 2016.
- WSU GPSA Research Exposition 1st place poster presentation winner, 2016.
- WSU Broadening Participation in Computing Student Club Co-founder, 2014 - Present.
- EWU Outstanding Computer Science Graduate, 2012.
- Lakeside High School Valedictorian (4.0 GPA), 2009.