Sejal K. Parmar

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Education

University of Illinois at Urbana– Champaign   2017-2020 est.

Bachelors of Science in Computer Science with minor in Applied Statistics, GPA: 3.8/4.0
Coursework: Intro to CS with Freshman Honors (Data Science Hackerspace), Software Design Studio, Discrete Structures, Data Structures, Intro to Statistics (with Calc), Statistics and Probability I, Calculus III, Linear Algebra

Skills

Programming Languages: Java, C++, JavaScript, HTML ,CSS, SQL, Python, Bash, R
Platforms: Eclipse, PyCharm, WebStorm, IntelliJ, Jupyter Notebook, Atom, R Studio
Other: Windows/MS Office Suite
Foreign Languages: English, Spanish, Gujarati, Hindi

Work Experience

Capital One | Urbana-Champaign, IL

Spring 2018 Intern   Jan 2018 - Present
▽   Developing approval workflow on a cloud-based statement content and validation platform to enhance client experience

Theia Vision | Urbana-Champaign, IL

Co-Founder and Software Team Member   Sept 2017 - Present
▽   Founded Theia Vision to provide a user friendly personal assistant to guide the visually impaired in their day to day activities
▽   Working with convolutional neural networks using TensorFlow for real-time object detection and text-to-speech output
▽   Developing several methods to optimize object detection based on specific essential environments

Fermi National Accelerator Laboratory | Batavia, IL

Target Intern: Scientific Computing Division   Jun 2016 – Aug 2016
▽   Developed a node cluster monitoring page that provides comprehensive technical reports, optimizing data resource allocation
▽   Unified and updated documentation and hardware databases, thus enhancing the logistics system and reducing mishandling

Volunteer and Extracurricular Experience

CS 125 Course Staff | University of Illinois at Urbana Champaign

Lab Course Assistant   Jan 2018 to Present
▽   Worked with the professor and held office hours to help students learn the core concepts of Java and OOP
▽   Assisted the TA during labs in teaching lessons and keeping students on task to ensure thorough understanding of material

Society of Women Engineers | University of Illinois at Urbana Champaign

Engineering Open House (EOH) Chair for Team Tech   Sept 2017 to Present
▽   Led the Data/Information subcommittee to help create a data collection module/ app to report errors in Caterpillar machinery
▽   Headed Team Tech's entry in EOH and managed research efforts by holding members accountable for finishing their tasks

Women in Computer Science ChicTech Event | Urbana, IL

Volunteer and Teacher   Nov 2017
▽   Taught an HTML class to High School girls from the Chicagoland area to promote interest in CS
▽   Helped the students create personal websites using HTML, CSS, and JavaScript fundamentals

JP Morgan Chase & Co. | Chicago, IL

Code for Good Hackathon Participant   Nov 2017
▽   Developed a web application for the Wood Family Foundation to showcase student experiences in their mentor program
▽   Optimized code as the primary frontend developer by adapting and learning new languages and techniques