Sejal K. Parmar

📱 331.262.9652
✉ skparmar777@gmail.com
in www.linkedin.com/in/sejalkparmar
🌐 https://skparmar777.github.io/

EDUCATION

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

Bachelors of Science in Computer Science with minor in Applied Statistics, GPA: 3.83/4.0

Classes: Data Structures, Honors Computer Architecture, Numerical Methods, Text Information Systems, Statistics and Probability with Calculus, Discrete Structures, Calc III, Linear Algebra

WORK EXPERIENCE

Software Engineering Intern | **JP Morgan Chase & Co. | Chicago, IL** | Jun 2018 - Aug 2018
- ∇   Designed and architected a data-driven solution stack, setup, and deployment methodology based off a problem statement
- ∇   Refactored a monolithic application into loosely coupled microservices that could be easily maintained and deployed

Software Engineering Intern | **Capital One | Urbana-Champaign, IL** | Jan 2018 - May 2018
- ∇   Developed components for a large-scale cloud-based statement content and validation platform
- ∇   Worked on Rule Editing, Notifications, Routing, and Approver Actions workflows to create a cohesive user experience

Co-Founder and Software Team Lead | **Theia Vision | Urbana-Champaign, IL** | Sept 2017 - May 2018
- ∇   Founded Theia Vision to provide a user friendly personal assistant to guide the visually impaired in their day to day activities
- ∇   Worked with convolutional neural networks using TensorFlow for real-time object detection and text-to-speech output

LEADERSHIP EXPERIENCE

Consultant | **Illinois Business Consulting | UIUC** | Sept 2018 - Current
- ∇   Conducting primary data collection for a government entity to run damage control quantification models and analysis
- ∇   Creating strategic recovery plans to provide an initial timeline for a streamlined return to optimal efficiency

Lab Course Assistant | **CS 125 Course Staff | UIUC** | Jan 2018 - May 2018
- ∇   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 30 students on task to ensure thorough understanding of material

Engineering Open House Chair | **Society of Women Engineers | UIUC** | Sept 2017 - May 2018
- ∇   Led a sub-team of 8 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 for final deliverables

PROJECTS

Evaluating the Effectiveness of Precondition Generation Tools | UIUC | Jan 2018 - May 2018

PURE Research Program Participant
- ∇   Wrote specifications for commutativity and idempotency of methods using Parameterized Unit Tests in C#
- ∇   Evaluated tools for precondition inference: testing + machine learning (black box) and test + dynamic analysis (white box)
- ∇   Performed a manual inspection to assess the goodness of preconditions based on correctness and complexity

Facetunes | UIUC | Aug 2017 - Dec 2017

Primary Backend Developer
- ∇   Developed an Android app that uses facial recognition to auto-generate playlists based on sentiment analysis
- ∇   Led a team of 3 to generate playlists on the backend using the Spotify Android SDK

JP Morgan Chase & Co. | Chicago, IL | Nov 2017

Code for Good Hackathon Participant
- ∇   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

SKILLS

Technical Languages: C++, Java, Python, C#, JavaScript, Angular, HTML ,CSS, SQL, Bash, R, Cypher, Octave
Platforms: IntelliJ, Eclipse, PyCharm, WebStorm, Jupyter Notebook, Atom, R Studio, Android Studio, Vim, NiFi, JMeter
Certifications: Stanford Machine Learning (2018), Johns Hopkins Data Science (2018)