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Jeni Joe

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Objective: Masters candidate seeking a software / web development fulltime position starting May 2018

Work Experience:

- **Computer Science Research Intern | Indian Institute of Technology | Mumbai, India** **March 2016 – June 2016**
  - Involved in designing the front-end and server-side of the 'Lokacart' android application and it's web portal to create a REST API using the Spring MVC Framework and AngularJS. (Microsoft Research India project)
  - Worked on the application logic used for delivering data to the end-user in a user-friendly manner.

Education:

- **M.S. Computer Science | University of Florida | Gainesville, Florida** **May 2018 (Expected)**
  Coursework: Algorithms, User Experience Design, Advanced Data Structures **GPA:** 3.7
- **B.E. Computer Engineering | University of Mumbai | Mumbai, India** **July 2015**
  Coursework: Data Structures, Distributed Operating Systems, Database Management, Software Engineering **GPA:** 3.6

Skills:

- **Languages:** Java
- **Databases:** SQL, MySQL, MongoDB
- **Tools:** Eclipse, Spring Tool Suite
- **Web:** JavaScript, HTML5,CSS
- **Operating System:** Windows, MacOS, Linux
- **UI/UX:** Adobe Photoshop, InVision, Balsamiq

Projects:

- **Book Trading Club application using the MEAN Stack** **June 2017 – Present**
  - Designing a web application that allows users to view and trade books online with peers using the Google Books API.
- **Huffman encoder and decoder** **March 2017 – April 2017**
  - Implemented pairing heap, 4-way cache optimized heap and binary heap to check which of them creates a min-heap in least time for a million records in Java.
  - Executed Huffman encoding and decoding using values extracted from 4-way cache optimized min-heap structure.
- **Knockout – The Boxing Tutor** **January 2017 – April 2017**
  - Built an application to tutor users on boxing moves with C#, WPF and the Kinect SDK using Visual Studio.
  - The application is a Microsoft Kinect based full body gesture recognition application that first displays the move and then recognizes if the user is performing it correctly.
- **Mindtree Knowledge Map** **October 2016 – December 2016**
  - Conducted user research for the creation of a search interface to support user profiles and searching that will help Mindtree organize information to "connect Business with Talent and Talent with Projects."
  - Worked on affinity diagramming, conducted brainstorm sessions and created wireframes for the preliminary design.
  - Conducted rounds of user tests and created the final pixel perfect screen designs for mobile and desktop versions.
- **'Tiny' language compiler** **August 2016 – December 2016**
  - Extended a scalable compiler for the Tiny language using LEX and YACC tools in C.
  - Implemented operators, data types and various program constructs.
- **Process Mining for Project Management** **June 2014 – May 2015**
  - Built a software application to extract business patterns from event logs using JavaFX and Apache POI.
  - Performed data mining on the event logs to generate automated business models that give valuable insight to a firm.
  - Developed a user-friendly platform that generates flowgraphs providing the workflow analysis for the organization.
- **Recipe Finder** **June 2014 – August 2014**
  - Implemented a software that maintaining a database of recipes on the desktop using JavaSwing and SQLite Manager.
  - Added the functionality of querying the database based on the ingredients present in the recipes.

Research and Publication:

- Co-authored a research paper on Process Mining for Project Management, presented at the 2016 International Conference on Data Mining and Advanced Computing (IEEE SAPIENCE).

Leadership and extracurricular activities:

- Volunteered as an English Communication skills coach with the Indian Development Foundation **June 2015**
- Planned and conducted events, led sponsorship and marketing drives as a member of the Entrepreneurship Cell **2013 - 2014**