Saroj Duwal

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Education

University of New Orleans, New Orleans, LA   GPA: 4.0/4.0

Bachelor of Science in Computer Science (with minor in Mathematics)   Expected Graduation: May 2019

Related Course Work

Software Design and Development, I & II (Java), Data Structure, Database, Analysis of Algorithm, Computer Networks and Telecommunication, Machine structure and Assembly Level Programming, System Programming Concept, Theory of Computation, Programming Language Structure, Discrete Mathematics, Artificial Intelligence, Operating System, Mobile App Dev (Android)

Technical Skills: Java, SQL, Android SDK, Flutter, GitLab, Assembly, Adobe Photoshop and Illustrator, Lightroom

Work Experience

Programming Tutor/ Java Help Desk Assistant, *University of New Orleans*   Jan 2019 – Current
- Tutor for the Computer Science Department for Java, Data Structures and System Programming Concept.
- Responsible for helping students with core concepts in Object Oriented programming, mainly in Java.

Summer Intern*, University of Tennessee, Knoxville, Tennessee*   Jun 2017 – Jul 2017
- Mentor: Dr. Susan Riechert, Dr. Maxfield Schuchard
  Developed Cambrian Sea Simulation, A game to teach students about Cambrian Sea period
  https://biologyinabox.utk.edu/cambrian-sea-game/

Undergraduate Research Assistant*, University of New Orleans, Louisiana*   Jan 2017 – May 2018
- Mentor: Dr. Minhaz Zibran
  Worked on converting an Eclipse Plugin, used to detect Code Cloning, to Command Line Interface using ApacheCLI

Undergraduate Research Assistant*, University of New Orleans, Louisiana*   Sep 2015 – Mar 2016
- Mentor: Dr. Shengru Tu
  Worked on merging Ontology files that would help to refine web search

Projects

Chat Server, *Computer Networks and Telecommunication Project*
- Basic console chat application using TCP protocol

Employee Database Project, *Database Management Systems Final Project*
- Database Management App using JDBC and SQL

Chess Bot, *Artificial Intelligence Class Project*
- Chess Bot using DFS, Minimax, and Alpha-beta pruning in Java

Android Manual Camera Application, *Android App Dev Final Project*
- A manual Camera application that could take RAW pictures using Camera2 API
- Features included: manual shutter speed, focus distance, and Manual ISO

Youth Awakening Society Android Application
- An android application for NGO using flutter and firebase
- Features included: News, Events, Blogs, and Gallery

College Activities and Awards
- President, Nepalese Student Association of New Orleans (NSANO)**,** 2018/19
- Winner of Privateer Undergraduate Research and Scholarly UNO Experience (PURSUE) and College of Science Undergraduate Research Program (COSURP)
- Homer Hitt (Full-Ride Scholarship) Recipient, University of New Orleans
- Opportunity Funding Program 2015 (OF-15), conducted by EducationUSA Advising Center in Nepal