Paaras Bhandari

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SUMMARY

Seeking a summer internship for 2019. Currently pursuing a Bachelor's Degree in Computer Science at University of Maryland College Park. Having a strong interest in Machine Learning and Full Stack Development.

EDUCATION

- **University of California Davis (Freshman Year)** — Davis, CA
  Bachelor of Science in Computer Science; GPA: 4.00 — *Sep. 2017 – June. 2018*
- **University of Maryland College Park** — College Park, MD
  Bachelor of Science in Computer Science; GPA: 3.94 — *Aug. 2018 – Present*

EXPERIENCE

- **University of Maryland - College Park** — College Park, MD
  Teaching Assistant — *January 2019 - Present*
  - **Teaching Assistant**: Working as a Teaching Assistant for course CMSC132 - Object Oriented Programming II. Responsibilities include holding office hours for students, grading project assignments and exams.
- **Indian Institute of Technology - Kanpur** — Kanpur, India
  Summer Intern — *June 2018 - Aug. 2018*
  - **Android Development**: Worked on Brihaspati 3.0 which is an open source learning-based platform available to more than 100 colleges and universities across India. Technologies used - Android Studio, Apache Tomcat, HTTP protocol.
- **Space and Satellite Systems** — Davis, CA
  Chair of Website Committee — *Oct. 2017 - June 2018*
  - **Website Development**: Worked extensively with HTML5, CSS and Bootstrap, designing several web pages for the organization. Learned about screen-size responsive layouts and implementing HTML pages for different screen sizes using CSS features.
- **CS Tutoring Club** — Davis, CA
  Tutor — *Jan. 2018 - April 2018*
  - **Tutoring**: Tutored students at University of California Davis during winter quarter for ECS 20 (Discrete Mathematics) and ECS 30(C Programming).

PROJECTS

- **Bitcoin Rate App**: Developed an Android App that allows users to view real-time Bitcoin price in desired currency using an API.
- **Arcade Games**: Developed games such as Black Jack, Tetris Clone, and Monopoly using JavaFX GUI with backend in Java and C++.

SKILLS

- **Object Oriented Programming and Data Structures in Java and C++**: Proficient in Object Oriented Programming concepts - Abstraction, Inheritance, Encapsulation, Polymorphism - in Java and C++, testing and debugging - JUnit, gdb. Knowledge of Data Structures - LinkedLists, Trees and Heaps. Familiar with multi-threading, , and JavaFX GUI and testing using GDB, JUnit framework.
- **Android Development**: Worked with Android Studio to develop an Android App and learned about it's basic features and functionality during my internship.
- **RESTful APIs, HTTP Protocol, JSON**: Familiar with RESTful design of APIs (Richardson maturity model), working with JSON/XML data, and HTTP protocol. Also familiar with Socket Programming in Java
- **Web Development**: Proficient in Web Designing using HTML, CSS, and Bootstrap. Developed web pages for organizations (SSS), and currently hosting a personal portfolio website built on Bootstrap.
- **C Programming, UNIX and BASH Shell Scripting** : Proficient in C Programming - memory allocation, use of pointers and C libraries.Experience with UNIX Commands and writing BASH shell scripts.
- **x86 Assembly**: Familiar with Intel x86 Assembly language - storage of data in 64 bit machines, working of I/O devices, writing x86 instructions.
- **Mathematics**: Having a strong interest in Mathematics since childhood. Displayed proficiency in High School and College Level Math courses.