Kshitij Jain

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EDUCATION **May 2017**

Purdue University, West Lafayette, Indiana
Bachelor of Science in Computer Engineering - **GPA: 3.5 / 4.0**
Eli Shay Scholarship **Fall 2016 & Spring 2017**
Charles W. Brown ECE Scholarship **Fall 2015 & Spring 2016**

Relevant Coursework: Data Structures & Algorithms, OOP- Java & C++, Scripting Languages, Intro to Computer Security**,** Full Stack Web Development, Machine Learning, AI

SKILLS

- **Programming Languages –** Python, C, Java, Embedded C, System Verilog, MATLAB, JavaScript
- **Web Development**- HTML, CSS, Jquery, AngularJS, JSF, ASP.NET MVC
- **Platform & Tools –** Linux, Android, GIT, MySQL, Valgrind, GDB, GraphLab, Maven, Redis, numpy, Tensorflow

WORK EXPERIENCE

Magnus Health, West Chester, PA **June 2016 - August 2016**

Software Development Intern

- Enhanced an existing REST API that would allow clients and third-parties, to utilize Magnus Health features and database
- Created new API endpoints, including one, that gave an existing category of users, the ability to **single-sign on** from their home websites
- Created a tester application for the QA team to assist them with testing of different API endpoints
- Stack included- JSF, J2EE, Apache Tomcat, MySQL, Redis, Maven, and Hibernate

Atlink Communications Inc., Houston, TX **May 2015 - August 2015**

Software Development Intern

- Collaborated with a team of 3 and developed an AR android app that determines the locations of gas, electricity and water lines for the purpose of digging projects
- Worked with the Google Maps API, the Twilio API and the SQLite database
- Designed UX & UI of the application, based on basic design principles

Computer Science Department, Purdue University **Spring 2015 - Fall 2015**

C-Programming Teaching Assistant & Physics(Kinematics) Teaching Assistant

- **Managed** lab for a class of 25 students, including grading and mentoring
- **Introduced** bi-weekly feedback in order to make the course more adaptive

PROJECTS

Handwritten Image Classification Neural Network (Fall 2016)

- Implemented the neural network algorithm and created an ASIC, that could classify any handwritten digit as one of the ten digits with 98 percent accuracy
- Worked with system Verilog, FPGA, C and, ASIC

Xpense (HackIllinois 2016)

- Built a dynamic web application that helps college students track their current portfolio statuses and future investment opportunities. The application uses a **regression algorithm** to recommend stocks in which students could invest
- Worked with HTML, material CSS design and Jquery

Follow the Light (Spring 2016)

- Designed a game based on following light sequences that constantly changed using an evolutionary algorithm, using a 68HC12 microcontroller programmed in C.
- Worked with Embedded C and 68HC12 microcontroller architecture

Huffman Coding(Fall 2015)

- Developed a C program that can compress and decompress a text document using Huffman compression & decompression
- Worked with **data structures**, bit manipulation, and the concept of Huffman coding

AWARDS & ACTIVITIES

Best use of Capital One API (https://github.com/jain98/Xpense) **HackIllinois 2016**
Purdue University Dance Marathon(Dancer) **Spring 2015**
Purdue Speech & Debate **Fall 2014 - Spring 2015**