

EDUCATION

May 2017

Purdue University, West Lafayette, Indiana
Bachelor of Science in Computer Engineering - **GPA: 3.46 / 4.0**

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

WORK EXPERIENCE

Magnus Health, West Chester, PA

June 2016- Present

Software Development Intern

- Developing a REST API that would allow clients to utilize Magnus Health web application and database, with a single sign-on from their websites
- Stack - Java EE, Apache Tomcat, Maven, Redis, Hibernate, MySQL, HTML, CSS, JQuery

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
- Gained insight about using APIs by implementing the Google Maps API
- Learned about data management in resource-constrained environments by implementing the SQLite database
- Individually oversaw and molded the UX & UI design of the application, based on basic design principles

Computer Science Department & Physics Department, Purdue University

Spring 2015 – Fall 2015

CS 159 Teaching Assistant & Physics 172 Teaching Assistant

- Led a weekly lab session and graded assignments for around 25 students
- Furthered my communication skills while mentoring the students and collaborating with them to make the course more interesting and enjoyable
- Incorporated bi-weekly feedback in order to make the course more adaptive

PROJECTS

Xpense (HackIllinois 2016)

- A dynamic web application geared towards college students, that promotes investing on top of saving and helps college students make smart investment decisions.
- Learnt HTML, material CSS design and JQuery.

Shoot-Through (Fall 2015)

- A shooting game similar to Mario, with an interactive UI and two different levels of difficulty.
- Learnt game design and development, game testing, level design, resource management, etc.

Huffman Coding(Fall 2015)

- A C program that can compress and decompress a text document using Huffman compression & decompression
- Learnt data structures, bit manipulation, and the concept of Huffman coding.

Atlink 811 (Summer 2015)

- An augmented reality android application that gives real-time location information of any gas, water, electricity lines etc., which eliminates the need to call 811.
- Learnt android application development, SQLite databases, using different APIs.

SKILLS

- **Programming Languages** – Python, Java, C, JavaScript, C++
- **Web Development-** HTML, CSS, JQuery, AngularJS, Node.js
- **Platform & Tools** – Linux, Android, GIT, SVN, MySQL, SQLite, Mongoddb, Valgrind, GDB, GraphLab, Maven, Redis
- **Libraries** – numpy, Tensorflow

HONORS, AWARDS, & ACTIVITIES

Eli Shay Scholarship
Charles W. Brown ECE Scholarship
Best use of Capital One API (<https://github.com/jain98/Xpense>)
Purdue University Dance Marathon(Dancer)
Purdue Speech & Debate Club

Fall 2016 & Spring 2017
Fall 2015 & Spring 2016
HackIllinois 2016
Spring 2015
Fall 2013 – Spring 2014