

Pooja Tewari

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Education

PURDUE UNIVERSITY | PRESIDENTIAL SCHOLARSHIP RECIPIENT

B.S. Computer Science (Security and Software Engineering track), **Minor:** Management

MAY 2020

Certificates: Entrepreneurship and Innovation, Learning Beyond the Classroom

Related Coursework : Intro to OOP, Programming in C, Discrete Mathematics, DS and Algorithms, Computer Architecture, Systems Programming (current), Software Development (current), Software Testing (current)

Skills and Technologies

Programming Languages : Java, C/C++ (4 yrs experience), HTML, CSS, JavaScript, SQL, Android Development, iOS Development (Swift)

Experience

SPOTMATE | CO-FOUNDER, LEAD IOS & WEB DEVELOPER

MAR 2018 - PRESENT

- Co-founded fitness platform and responsible for making decisions related to the future of the company
- Developed and maintaining and led web development intern in creating the company website using **HTML, CSS, JavaScript** and incorporated the **Bootstrap, jQuery, node.js, Express.js, MongoDB** libraries and frameworks
- Developing the iOS app in **Swift** on the **XCode IDE**, using the **Foundation, UIKit, CocoaTouch** libraries and **Firebase** console for a backend and features such as authentication, real time database cloud storage, messaging, notifications

SOFTECH IT SOLUTIONS | SOFTWARE ENGINEERING INTERN

MAY - AUG 2017

Environments: Oracle Database 11g R2 (11.2.0.4), Oracle Linux 6.0, Oracle SQL Developer

Languages: Oracle SQL/[PL/SQL], Python

- Analyzed database design and prepared a report with improvement areas
- Developed [PL/SQL] procedures, functions and packages for application functionality and supported high transactional database
- Wrote shell scripts for database monitoring automated alerts

PURDUE UNIVERSITY, IN | TEACHING ASSISTANT (UTA)

JAN 2018 - PRESENT

- Leading labs in CS 240 (Programming in C) and aiding students in learning core concepts of C (arrays, linked lists, etc.) using VIM/Terminal

Projects

WHATSUP | IOS APP

- Created an iOS app similar to WhatsApp, developed an entire front-end using auto-layouts, segues, navigation controllers, tableviews, etc.
- Used the **Firebase** technologies for cloud messaging, realtime database, authentication, etc.
- Learned how to create custom .xib classes in order to display custom TableView cells and used CocoaPods libraries to improve the UX

INTERNET RELAY CHAT | C/C++

- Programmed an internet relay chat server using the network and client networking model in C/C++ using the QtCreator for a GUI
- Developed the entire server side and client code and connected the client side code with the GUI and the backend server
- Used technologies including **VIM, Linux, QtCreator**, added features such as being able to create multiple rooms to make an interactive app

TOPHOTELS.COM | WEB DEVELOPMENT

- Implemented a frontend of website in **HTML, CSS, Bootstrap** that allows users to add/view popular hotels along with descriptions and pricing
- Created a database using **MongoDB**, learned and implemented concepts of **RESTful routing** in order to route to different pages
- Expanded knowledge of JS technologies such as **jQuery, node.js, Express.js** by adding features such as reviews, authentication

Extracurricular Activities

NCWIT (NATIONAL CENTER FOR WOMEN & INFORMATION TECHNOLOGY) | MEMBER

JAN 2015 - PRESENT

- Involved in national community of females pursuing innovation and promotion of all aspects of computer science
- Actively participating in discussions of ideas since **winning** the **Pennsylvania/West Virginia regional award** for Aspirations in Computing

DELTA MU KAPPA (ENTREPRENEURSHIP & INNOVATION FRATERNITY) | MEMBER

JAN 2018 - PRESENT

- Pledged as a brother over the Spring 2018 semester and participated in various events to promote entrepreneurship and innovation
- Designed and led workshops for improving resumes, interviewing skills, and professional headshots as part of the professional committee
- Participated in Startup Weekend competition in a group of 3; **placed 3rd** with the business model and pitch for **SpotMate**

PURDUE CS ORGANIZATIONS (LAUNCHPAD, CSWN, HACKERS)

Launchpad - Selected to be a personal project mentor to incoming CS students in efforts to help explore skills

FALL 2018

CSWN - Participated and volunteered in events such as Puzzle Day, Women in Tech Panel, etc. in efforts to promote women in computer science

FALL 2016 – PRESENT

Hackers – Attended VandyHacks, BoilerMake in efforts to get more exposure to technologies of my interest

FALL 2016 – PRESENT