

Objective: Results-driven developer seeking a challenging summer internship where I can contribute my creativity and logical-reasoning abilities for the growth of the company.



Education

PURDUE UNIVERSITY WEST LAFAYETTE, IN

B.S. in Computer Science with Honors
Minor in Mathematics

Entrepreneurship Certificate

Tracks: Machine Intelligence, Software

Engineering, Software Security

Graduating December 2019

GPA: 3.66/4.00

Relevant Courses

CS426: Software Security
CS355: Cryptography
CS373: ML & Data Mining
CS408: Software Testing
CS381: Analysis of Algorithms
CS348: Information Systems
CS307: Software Engineering
CS354: Operating Systems



Skills

Java	HTML/CSS
C/C++	Python
C#	Node.js
SQL	React.js
JavaScript	Assembly (ARM, x86)

Languages

English	● ● ● ● ●
French	● ● ● ● ●
Spanish	● ● ○ ○ ○
Dutch	● ● ● ○ ○
Hindi	● ● ● ● ○
Gujarati	● ● ● ● ○

Awards & Recognition

Deans List

(Fall '16 to Current)

International Space Design Competition Finalist (NASA)

(July 2016)

Awarded 2nd place at the Kennedy Space Center.

Elected Director of Automation for my team. (Teams of 50 students)



Work History

Purdue Rally Line

(January 2018 - August 2018)

Student Fundraiser (Part-Time)



INTERNSHIP HISTORY

Mindtree Limited, Bangalore, India ANDROID DEVELOPER

August 2017

- Independently delivered a Lead Management application integrated with Mindtree's APIs so that the IGX (Social Service) team can have access to client data on-the-go.
- Lead Manager was installed in over 80 employee devices which helped bridge the communication gap between the management team and the developers.
- Technologies used: Java, Android Studios, Mindtree APIs, Firebase

Ernst & Young, Mumbai, India SOFTWARE ENGINEER

July 2017

- Responsible for studying my team's risk analysis algorithm in order to streamline it.
- Reduced risk analysis time by 50% by developing an interface that allows the team to store, modify and execute queries and visualize the results.
- Technologies used: C#, ASP.NET, Visual Studio, SQL Server 2014

Sim Gems (HK) Limited, Kowloon, Hong Kong SOFTWARE ENGINEER

December 2016

- Suggested the idea of bringing diamond traders together on a "Demand and Supply" platform to Mr. Simit (Director); essentially flipping the norm of the diamond market.
- Along with a web designer and a developer, created DIAMX.net – Website to store demands for specific diamonds so members can send offers.
- Technologies used: C#, SQL Server 2014, HTML, CSS, JavaScript, jQuery, ASP.NET MVC5, Angular, Bootstrap, Entity Framework



PROJECTS

Ludus | Web Application | CS307 Group Project September - December 2018

- Learning and Teaching community-based web app focused on hobbies and passions.
- Used Node.JS (with Express) to create Firebase HTTP functions for back-end
- Used the Mocha Test Framework to create Unit Tests for back-end functions.
- Exercised Agile Scrum methodologies with 3 Sprints.
- Site: ludusfire.firebaseio.com
- Git Repository: github.com/ShauralP/Ludus
- Technologies Used: Node.JS (Express), React.JS, Firebase, Bootstrap 4, Mocha Test Framework

Digit Prediction ML | Android Application | Personal

July 2018

- Created a machine learning model using TensorFlow in PyCharm with and without Estimator
- Used TF Optimizer to minimize cross entropy loss with linear regression.
- Used the MNIST data set to train and test model
- Created a digit prediction app which uses the trained model, loads a preset image and feeds it to the model to predict the 1st and 2nd best prediction for the digit.
- Git Repository: github.com/ShauralP/MobileML
- Technologies used: TensorFlow, Python (PyCharm), Android Studio, Java

ChowTime | Web Application | CS252 Final Group Project

March - May 2018

- Recipe search with estimated cost calculator from local grocery stores around you.
- Developed front-end & Implemented unanimous Styles for all pages
- Git Repository: github.com/lucastao/chowtime
- Technologies used: HTML5, CSS, Bootstrap 4, NodeJS (Express), JavaScript, jQuery, Firebase, DigitalOcean

DiamCalc | Android Application | Sim Gems (HK) Limited

December 2017

- Developed Android app to calculate and fetch the price of diamonds when criteria is inputted for Mr. Simit (Director of Sim Gems)
- Technologies used: Java, Android Studio, XML, RapNet API

SiteChat | Chrome Extension | BoilerMake Purdue (Hackathon)

January 2017

- In a team of two, we created a chrome extension which allows you to chat with everyone on the same website.
- Technologies used: HTML, CSS, JavaScript, Node.js, Angular.js