PUJAN THAPA

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Skills

PROGRAMMING

Python
C++
Go
C#
ASP.NET
HTML
Java

SOFT SKILLS

Agile
Communication
Leadership
Presentation
Team Work
Analysis

Awards

Google Coding Challenge — 2020
Awarded second place among all the HBCUs in Juniors/Seniors category

Tau Beta Pi Scholarship — 2019
Recognized for commitment towards this highly selective engineering honor society

GoDaddy Hackathon, — 2019
Won the Customer Innovation Award to develop a website that aggregates reviews for a business from all different social medias

Howard Mini-Hackathon — 2017
Won Best Solutions Award among 18 teams for designing a hotspot sharing app for mobile data using JavaScript

Education

Howard University, Washington, DC — Aug. 2017 to May 2021
Bachelors Computer Science 2021
GPA: 4.0
Founders Scholarship: Full Ride Merit-based Scholarship awarded to the top 1% of the applicant pool
Dean's List: Awarded every semester of college for consistent academic excellence
Relevant Courses: Data Structures, Algorithms, OS, Cyber Security, Computer Organization, Discrete Math, Calculus, Tech Writing

Google Tech Exchange Program, Sunnyvale, CA — Jan. 2020 to May 2020
Chosen as one of 40 scholars to live in Silicon Valley, and learn at Google Headquarters for a semester. A domestic exchange program by Google. Took applied computer science courses taught by Google engineers and experts in the field
Courses: Machine Learning, Database Systems, Applied Data Structure, Product Management

Experience

Lyft Inc. — New York, NY
Software Engineering Intern — June 2020 to July 2020
- Designed and developed a counterfactual service to execute all the possible configurations of the live service using Python, Go and Redis
- Leveraged my service to perform shadow testing and collect huge amounts of data to find out the optimal configurations of the live service
- Deployed the service in several markets and monitored the changes in Wavefront, Grafana, and Kibana

GoDaddy Inc. — Kirkland, WA
Software Development Engineer Intern — May 2019 to Aug. 2019
- Developed backend programming logics to implement API controller endpoints using ASP.NET MVC and C#
- Deployed high churn projects to production using Jenkins
- Created an open-source GoDaddy Framework component and added associated Nuget package to a REST API
- Contributed to a migration effort from a legacy system

Phutung Research Institute — Kathmandu, Nepal
Summer Research Assistant — May 2018 to July 2018
- Developed an algorithm for a diagnostic tool to detect early stages of Bronchitis and Emphysema using optical coherence tomography
- Deployed code in MATLAB to develop a mathematical model for signal processing of tomography scans

Projects

Fables, Google PM Class — Jan. 2020 to May 2020
- Worked as PM in the Product Management class offered @ Google to make a story-telling app for little kids
- Conducted in-depth market research for unmet needs, pain-points, and product desires for little kids and their parents
- Collaborated with SWE, UXR, and UXD to design and author the MRP, MRD, and the PRD.
- Pitched the product with a high-fidelity Figma prototype to a pool of Google PMs.

Whats-cooking, Google ML Class — Mar. 2020 to May 2020
- Trained a machine learning model using Tensorflow, Pandas, and Numpy to predict the cuisine from a given list of ingredients with at least 81% accuracy
- Experimented with multiple layers of embedding, feature transformations, epochs, number of units and activation functions to obtain the most accurate model

Bot Detection, Undergraduate Research Assistant — Oct. 2018 to Apr. 2019
- Volunteered in a project to build a tool to analyze large volumes of tweets using natural language processing (NLP) algorithms and summarize them
- Identified patterns of Bot accounts using Python and Botometer API to discard bogus tweets in summary