shirley kabir

girl coder

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*education_*

Cornell University
Engineering, Computer Science • May 2020
Coursework: Computer Vision, Language and Information, Tech for Underserved Settings, Adv. Machine Learning for Systems, Machine Learning for Intelligent Systems, Databases, Text Mining and Literature, Artificial Intelligence, Data-Driven Web Applications, and more.
* Co-op of the Year 2019, Dean's List Fall 2019

*experience_*

Workday, Software Application Engineer Co-op
Spring + Summer 2019 | Pleasanton, CA
Worked on the Student team to design, develop, and test Recruiting and Admissions features. Debugged code to push features into preview/prod and helped interns with their projects and training.
* Engineer of the Month, July 2019

OPIS, Software Development Intern
Summer 2018 | Gaithersburg, MD
Developed two web applications that mapped gas stations by zip code/poi using Aurelia and .NET Core frameworks in an agile environment. Presented to the CEO about introducing a data lake in order to discover new relationships using Machine Learning.

SC3, Software Development & Engineering Intern
Summer 2017 | Alexandria, VA
Worked as a full-stack developer to create a new and efficient onboarding platform. Assessed the risks of development and researched extensively on security solutions and an optimal hashing algorithm.
* Nominated for GDIT Award

Puppet Plant, Front-End Developer
Summer 2017 | Ithaca, NY
Designed and developed their new, responsive website and an iOS application.

*involvement_*

Cornell University Unmanned Air Systems, Design & Operations Lead
CUAir is a project team that designs, builds, and tests autonomous air vehicles. Created their responsive and data-driven website and increased social media and community presence. Currently leading DesOps which works at the intersection of technology, design, and business, like a start-up.
Space System Design Studio, Undergraduate Researcher
Worked with Mason Peck to develop a GQN which takes observations of asteroids to produce a of the underlying scene.
Computing and Information Science at Cornell, Teaching Assistant
CS 4787 (Principles of Large-Scale Machine Learning Systems and INFO 1300 (Introduction to Web Development). Responsible for attending grading sessions, organizing discussions, holding office hours, and developing materials.
Women in Computing at Cornell, Board Member
Advisor; previously the social director and secretary. Pitched and automated the event planning form which is for all events organized by WICC by developing an extensive Google Apps Script.

*projects_*

hypergrad. Implemented *Gradient-based Optimization of Hyperparameters through Reversible Learning in PyTorch.*
pacai. Developed a neural network that can learn how to play pac-man using a genetic algorithm.
likely desirable. Student hackathon project that used ML models to map likelihood of acceptance vs desirability criteria of a given applicant in order to generate a targeted cohort.
music tastify. Predicts a Spotify user's most played/preferred music genre(s)
serene. A mental health awareness bot to converse with that will appropriately responds, pre-diagnoses, suggests playlists/songs, and locates the right professionals.
travelNode. A web app that allows you to enter several destinations and returns the optimal route to reach all of those places in the shortest amount of time, and total cost of travel with an Uber.
cmsx. Redesign the site for new ui, restructuring data integration, and improving legacy code.
inVenture+. Web service that implements ML algorithms to pair up venture capitalists w/ entrepreneurs.

*skills_*

languages. java . python . ocaml . c . c# . swift . sql . javascript . html . css . d3 . visual basic
frameworks. node.js . flask . django . aurelia . .net core . reactjs . angular . ssms. tensorflow. pytorch
git . ui/ux design . adobe creative suite . ssl . sdlc . data structures . machine learning . databases