

Education

Grinnell College | B.A. Computer Science & Statistics

Major GPA: 3.6

Grinnell, IA

RELEVANT COURSEWORK:

Expected May 2020

- Object-Oriented Design • Data Structures & Algorithms • Artificial Intelligence • Discrete Structures • Data Mining • Analysis of Algorithms • Software Development & Design • Statistical Modelling • Design/Analysis of Experiments.

Skills & Interests

Programming Languages: Java • Python • C • C# • R

Technologies: Git • Android • Unity • MySQL • Ruby on Rails

Other Interests: Basketball • Drums • Fashion • Debate • Technology

Related Experience

STATGAMES: Making Data Driven Decisions | Computer Science Researcher

Grinnell, IA

UNDERGRADUATE RESEARCH PROJECT AT GRINNELL COLLEGE, BACKED BY THE NSF

Jun. 2019 - Present

- Engineered a multi-level, story based 3D car racing game using Unity and its 3D physics engine.
- Designed every aspect of the game including car, engine, tire, tracks and the story line using scripts written in C# and also implemented a buy/sell feature for upgrading different car parts.
- Integrated basic AI controlled cars by setting up specific way points, speed and car handling.
- Implemented a visual data page by pulling data from a MySQL database in real time on cPanel, creating graphs that display finish time based on different attributes.

Grinnell AppDev | Senior Android Developer

Grinnell, IA

TEAM OF DEVELOPERS, MAINTAINING 6 APPS WITH 1000+ DAILY USERS & \$150K+ FUNDING

Jan. 2018 - Present

- Engineered, designed and maintained 6 Android apps with 1000+ daily users, using Android Studio, utilizing java code.
- Designed and developed the **Events** app for 1500+ community members, that pulls all its data from a XML file.
- Taught weekly classes in beginner level Android Development to 15+ student developers.

Capital Quant Solutions | Software Developer Intern

New Delhi, India

FINTECH STARTUP FOCUSED ON PROVIDING ANALYTICS FOR CAPITAL MARKETS

Jun. 2018 - Aug. 2018

- Built a training data set for ML algorithm that required sorting and categorizing large volumes of data.
- Developed a python program, using the twitter API in order to pull current tweets mentioning client organizations.
- Conceptualized and engineered a python ML algorithm to analyze unstructured data using multi-class classification.

Grinnell College (Computer Science Dept.) | Teaching Assistant

Grinnell, IA

ASSISTED THE PROFESSOR WITH ORGANIZING THE STRUCTURE AND THE CONTENT OF THE CLASS

Aug. 2018 - Present

- Graded quizzes, assignments and exams for 40+ students enrolled in the Java course.
- Led weekly mentor sessions for 25+ students to discuss Object Oriented Design, Data Structures & Algorithms, etc.

Projects (On Github)

IMDB Reviews Binary Classification

ARTIFICIAL INTELLIGENCE

- Built a deep learning model using the keras library to predict if an IMDB movie review was positive or negative.
- Investigated hyperparameters such as number of epochs, learning rate and batch size to train the best model.

Heartland Global Health Consortium

HEARTLAND WEBSITE

- Engineered a web application utilizing Ruby on Rails and an Agile approach to help connect 12+ Iowa Colleges to increase awareness about global health issues.

Object Oriented Programming, Data Structures & Algorithms

COURSEWORK

- Sounds Of Sorting:** A sorting algorithm which visualizes six sorting algorithms with piano notes as indicators.
- Grin-Compression:** Compresses files by utilizing a lossless compression algorithm, implemented by Huffman Trees.
- Alife Simulation:** Visualizes the cooperation between bacteria by emulating real-life preconditions.

Leadership

South Asian Student Organization

Grinnell, IA

PRESIDENT

Jan. 2018 - Present

- Organized weekly discussions, events, fundraisers featuring South Asian heritage, culture, traditions and experiences.