ISHAN S. PATEL

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Education

University of Illinois at Urbana-Champaign
May 2021
B.S. in Computer Science | Business Minor
GPA: 3.85/4.00
Dean's List: Fall 2017, Spring 2018
James Scholar
Ongoing Coursework: Algorithms, Applied Machine Learning, Database Systems
Completed Coursework: Data Structures, Computer Architecture (Honors), Probability & Statistics, Discrete Mathematics (Honors), Vector Calculus, Linear Algebra

Projects

CU Recycle | *PygHacks 2018 (2nd Place)*
September 2018
- Collaborated to develop a classifier to identify an image of trash as recyclable or non-recyclable using a Convolutional Neural Network based on the items' shapes and colors
- Launched the application, developed in Android Studio, on the Android Play Store

ChessAI
June - July 2018
- Implemented an AI with a recursive minimax algorithm to select a robust next move based on the outcomes of the opponent's next 3 turns
- Built a classic chess game in Java following object-oriented programming principles
- Designed a Java GUI to incorporate game visuals with an interactive board using a grid of JButtons

Checkout With Your Face
Sep - Nov 2017
- Integrated the OpenCV library to detect faces through a live webcam feed
- Created an interface in Java for users to save and associate their name, student ID, and graduation year with an image in a CSV output file

Leadership and Involvement

Consultant | *National Organization of Business and Engineering – Consulting Team*
Jan 2018 - Present
- Strategically analyzed a national student organization for new areas of expansion based on the demographics of its members and available resources
- Identified underutilized social media and marketing platforms to propose solutions for growth

Tech Team Member | *National Organization of Business and Engineering*
Oct 2017 - Present
- Developed a personal website (IshanP.com) using Bootstrap, HTML, CSS, and JavaScript
- Expanded programming skill-set and knowledge in databases, APIs, git, and more while fostering a collaborative setting

Committee Chair | *Engineering Freshmen Council*
Sep 2017 - May 2018
- Directed and managed the Engineering Freshmen Council Awards Committee
- Introduced a redesigned set of awards for exemplary performance in STEM student organizations
- Coordinated outreach events with a team of 12 to improve freshman participation and engagement within the College of Engineering

Work Experience

Retail Sales Consultant | *OfficeMax*
May - Aug 2018
- Primary sales consultant for the new line of Smart Home Internet of Things devices to meet technology-focused consumer demands
- Assisted approximately 60 customers per day in finding the appropriate tools to optimize their work while stocking and replenishing merchandise with accuracy to prevent loss/shrink
- Increased sales and productivity in the store's growing tech services department

Skills

- ***Proficiency***: C++, Java, Python, C, Racket, HTML/CSS, JavaScript, Verilog, git
- ***Exposure***: MIPS assembly, p5 Processing, R, Flask, Numpy, Pandas, Matplotlib, Android Dev