ISHAN S. PATEL

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Education

University of Illinois at Urbana-Champaign	May 2021

B.S. in Computer Science | Business Minor — GPA: 3.90/4.00

Dean's List: Fall 2017, Spring 2018 — James Scholar

Coursework: Data Structures, Computer Architecture (Honors), Probability and Statistics, Discrete Mathematics (Honors), Vector Calculus, Linear Algebra

Plainfield North High School	May 2017

Rank 1 of 499 — GPA: 5.92/5.00

Projects

ChessAI	Summer 2018

- Implemented an AI with a recursive minimax algorithm to make a strong move based on the opponent's best choices for a move
- Wrote a classic chess game in Java following object-oriented programming principles
- Designed a Java GUI to improve game visuals and board moves using a grid of JButtons

Reddit Bot	Summer 2018

- Developed a bot in Python to automatically respond to posts on the r/ApplyingToCollege subreddit using the PRAW reddit API

Checkout With Your Face	Fall 2017

- Integrated the OpenCV library to detect faces through a live webcam video feed
- Implemented a GUI in Java to save and associate a name, student ID, and graduation year with an image in a CSV output file

Leadership and Involvement

Consulting Team and Tech Team Member | *National Organization of Business and Engineering*	Oct 2017 - Present

- Consulting for a team to develop a high-level marketing and social media strategy to improve publicity and student involvement for a local start-up
- Developed a personal website (IshanP.com) using Bootstrap, HTML, CSS, and JavaScript
- Expanding programming skill-set and knowledge in a collaborative setting

Committee Chair | *Engineering Freshmen Council*	Sep 2017 - May 2018

- Directing and managing the Engineering Freshmen Council Awards Committee
- Awarding freshmen for outstanding performance in engineering-oriented student organizations
- Organizing events to expand freshman participation and engagement in the College of Engineering

Work Experience

Retail Sales Consultant | *OfficeMax*	May - Aug 2018

- Assisted approximately 60 customers per day in finding the appropriate tools to optimize their work
- Organized, stocked, and replenished merchandise with accuracy and efficiency to maintain a proper inventory count and prevent loss/shrink
- Increased sales and productivity in the store's growing technology services department

Accomplishments

DECA (Business Organization)	2013 - 2017

- 2-time international competitor (2016, 2017), 4-time state competitor (2014-2017)
- Developed a business model and 3D-printed prototype for a bone conductive headset: 1st place at state

Skills

- ***Proficiency***: C++, Java, Python, C, Racket, HTML/CSS, JavaScript, Verilog
- ***Exposure***: p5 Processing, R, Flask, Numpy, Pandas, Matplotlib, LaTeX