Tanzim Pathan

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EXPERIENCE

Front-end Engineer, *Veer AI • Toronto, ON*   *February 2021 – May 2021*

- o Overhauled the component library from Bootstrap to React MaterialUI to develop modular components that increased efficiency in product development and ensured compliance with established style guidelines
- o Implemented Nivo and Apex React data visualization libraries to develop Veer AI's dashboard web application MVP with a focus on Web Content Accessibility Guidelines (WCAG) 2.0 compliance
- o Designed high-fidelity prototypes for new features in Figma (Shopify integration, simplified customer segmentation dashboard, client login) to help clients visualize their customer data in collaboration with data scientists and business analysts, increasing client acquisition by 15%

Lead Teaching Assistant, *University of Waterloo • Waterloo, ON*   *January 2021 – April 2021*

- o Led the course delivery of Engineering Workplace Skills II (Engineering Design Process) under the direction of Dr. Peter Teerstra from the Department of Mechanical and Mechatronics Engineering
- o Provided individual constructive feedback to 100s of students on weekly assessments to strengthen their understanding of engineering design processes and ethics using multidisciplinary engineering case studies
- o Trained and managed a team of 15 part-time teaching assistants to grade and provide feedback to 1,000 second-year engineering students by leading weekly marking calibration meetings
- o Hosted 1-on-1 resume critiques and mock interviews for 30 first-year computer science students to assist them in finding a relevant co-op position with a 76% success rate

UX Engineer, *Veer AI • Toronto, ON*   *May 2020 – August 2020*

- o Developed the corporate website (veer.ai) from wireframes to Figma high-fidelity prototypes to production using standard web technologies with a focus on responsive design and maintainability
- o Developed reusable UI components in React Bootstrap and CSS/Sass to create an in-house UI library
- o Designed HTML email templates and newsletters for marketing campaigns, increasing client acquisition by 18%
- o Created the brand design system, including logos, typography, color, design components, and accessibility guidelines
- o Led 8 design sessions on key product features such as the Dashboard, Task Management, and Klaviyo Integration for back-end engineers, business analysts, and management

QA Engineer, *Ceridian Dayforce • Toronto, ON*   *May 2019 – December 2019*

- o Built new Recruiting and Directory features and addressed client reported bugs in collaboration with developers, business analysts, and UI/UX designers
- o Increased cross-platform accessibility testing coverage by 35%, following WCAG 2.0
- o Analyzed product requirements to develop unit, regression, UI, and performance mobile testing plans in Cucumber

PROJECTS

City Search Engine   *November 2020*

- o Developed a program that allows a user to issue queries about the name, geographical position, population, cost of living, and net salary of cities that are stored in a quadtree data structure using C++
- o Wrote Bash scripts to automate tests for invalid data entry/queries and memory management
- o Created design documents and UML diagrams to explain the program design to a layperson

EDUCATION

BASc. Honors Computer Engineering, *University of Waterloo • Waterloo, ON*   *2018 - Present*

- o President's Scholarship of Distinction (2018)
- o VP Marketing @ UWaterloo ECE Society (2018 – 2019)