Vaibhav Sen Malla

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Education and Skills

The Pennsylvania State University   University Park, PA
Bachelor of Science: Information Sciences and Technology (Software Design & Development focus)   Expected: Dec 2020
Major GPA: 3.60, Cumulative GPA: 3.26
Dean's List for College of IST (Spring 2018, Fall 2019, Spring 2020), Gamma Tau Phi Honors Society

Programming Languages: Java, C++, Python, JavaScript, HTML, CSS, SQL
Frameworks/Technologies: Adobe XD, InVision, Bootstrap, MongoDB, Node.js, Express.js, React.js, Scrum, Visio, Netbeans

Professional Experience

Cofounder - Gage Ventures   University Park, PA
Startup co-founded with 4 other members mentored at Happy Valley LaunchBox program   Feb 2020 - July 2020
- Founded a startup focused on EdTech solutions such as a behaviour tracking tool for ADHD
- Led technical side: planned out software architecture, designed wireframes, and led MVP development
- Received $15,000 in funding from the Summer Founders program (top 6 teams out of 46)

Team Tech. Lead - Nittany AI Challenge (The Pennsylvania State University)   University Park, PA
Annual competition for developing products utilizing AI to solve global issues   Jan 2020 - June 2020
- Entered 2 projects into the competition, both won first phase (ADHD Screening Game and Team Builder)
- Developed prototype of ADHD Screening Game
- Top 20 out of 67 teams, won $1000 in rewards

Undergraduate Research Intern (The Pennsylvania State University)   University Park, PA
Penn State's College of Information Sciences and Technology   May 2019 - May 2020
- Aided research in the field of Human-Computer Interaction
- Prototyped 2 graphical user-interfaces to be proposed as part of research project
- Conducted 6 user experience/usability studies for the "Third-Eye" project, aiming to develop/modify the way visually impaired/blind individuals navigate and perform their daily activities

Crew Leader (Penn State Pollock Dining Commons)   University Park, PA
Part-time catering services for Penn State students and faculty members   Oct 2018 - Present
- Led and supported teams of approx. 10 coworkers to function efficiently in fast-paced work environments
- Trained and mentored new student-employees on procedures to meet quality standards of service

Projects

Rent-a-Skateboard   Apr 2020 - May 2020
- Full-stack development of a skateboard sharing service. Built RESTful API using Express.js

Munchies - Personal Recipe App   Mar 2020 - Apr 2020
- Developed recipe web app with HTML, JavaScript, CSS, and APIs to retrieve ingredient data

Search & Rescue Navigation App   Sept 2019 - Dec 2019
- Developed using JavaFX and MVC architecture to help first responders locate victims in disaster events

Carnival Video Game   Sept 2018 - Dec 2018
- Constructed a game in Java utilizing concepts like timed mechanics, persistent data storage, etc.

Volunteer Experience

Web Developer, *Virufy*   Remote
- Built and managed company website and ensured it met quality standards   Sept 2020 - Oct 2020
- Collaborated with product designers and UI/UX team to implement UI changes

Volunteer Assistant Teacher, *Pimlico Elementary/Middle School*   Baltimore, MD
- Week-long alternative break service trip teaching math and English to first-graders   Mar 2020

Event Organization Volunteer, The *Pennsylvania State University*   University Park, PA
- Ushered fans and helped organize seating areas at Penn State's football games   Oct 2018 - Mar 2020

Relief Volunteer, *Child Workers in Nepal (CWIN)*   Kathmandu, Nepal
- Packaged supplies, and food; sending out approx. 100 crates daily to victims of the Nepal earthquakes   Jun 2015 - Jul 2015