

VIDIT KHANDELWAL

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EDUCATION & HONORS

DePauw University | Greencastle, Indiana

August 2019 – May 2023

Bachelor's degree in Computer Science with a Minor in Economics

- **GPA:** 3.87 (cumulative), 3.87 (major), 3.80 (minor)
- **Awards:** Robert Thomas Outstanding Senior Award, Outstanding Service to the Computer Science Department, Computer Science Honor Society, ITAP Honors Program, Dean's List all semesters, Trulaske International Scholarship for Off-Campus Study, Summa Cum Laude Latin Honors
- **Selected Coursework:** Data Structures, Software Development, Artificial Intelligence, Graphics, Web Development, Mobile Development, Computer Security, Statistics, Financial Accounting, Development Economics, International Economics

New College, University of Oxford | Oxford, United Kingdom

September 2022 – December 2022

Visiting Student, International Economics and Creative Writing

- **GPA:** 3.85
- **Tutorials:** International Business and Finance, Creative Writing

WORK EXPERIENCE

Software Development Engineer

September 2023 – Present

Pixus Inc. | Remote

- Developed the second version of the CaptureNoire internal beta with refreshed UI made using Jetpack Compose and backend code ported to Kotlin
- Revamped the user flow of the app for a more immersive UX, and added Firebase Authentication, Storage, and Firestore database integrations

Software Engineer Intern

June 2022 – December 2022

Pixus Inc. | Remote

- Spearheaded development of CaptureNoire, an Android photography app catering to diverse skin tones, with an upcoming beta release
- Applied best practices in UI/UX design, object-oriented principles, and Android development as the sole computer science expert at a budding startup
- Engineered a high quality and innovative image processing backend that achieved results 90% equivalent to competitor apps with 30% less complexity
- Maximized compatibility and optimized RAM usage based on device type by providing backward compatibility across SDKs to meet quality standards.
- Improved efficiency by 30% through agile development, code simplification, and efficient algorithms for the CaptureNoire photography application
- Reduced onboarding time by 60% and enhanced collaboration by creating comprehensive technical and non-technical documentation
- Formulated user testing for adding AR functionality using ARCore and introducing premium subscriptions to the application in the medium-term

Marketing Intern

November 2021 – May 2022

DePauw University Hubbard Center for Student Engagement | Greencastle, Indiana

- Increased reach by 50% by implementing a new marketing strategy to bolster the efforts of the career center through strategy meetings with directors
- Successfully marketed events to over 1700 students using an omni-channel approach by effectively delegating tasks to the team in weekly meetings

IT Engineer Intern

June 2021 – August 2021

DePauw University Information Services | Greencastle, Indiana

- Collaborated with IT professionals to deploy new hardware and software solutions on 50+ locations across campus with zero disruptions or outages
- Oversaw the Help Desk and ticketing system, ensuring adherence to established workflows and completion of 95% of open tickets within 30 minutes

Web Developer Intern

August 2020 – December 2020

DePauw University Web Services | Greencastle, Indiana

- Achieved an optimization boost of over 60% for DePauw University by leveraging powerful SEO tools of BigTree CMS and PageSpeed Insights

ITAP Intern

August 2019 – May 2020

DePauw University ITAP Institute | Greencastle, Indiana

- Among the top 20% of applicants, participated in weekly training sessions for the highly selective ITAP honors program at DePauw University
- Increased student engagement through enhanced classroom experiences using data visualization technologies such as Tableau and ArcGIS

SELECTED PERSONAL PROJECTS (Source code and other projects on GitHub)

[Squawk Social](#)

- A social media platform targeted towards Generation Z, with the primary purpose of engagement being unconventional emoji reactions
- Minimum Viable Product (MVP) made using TypeScript, Next.js 13, Supabase (Storage and Cloud PostgreSQL), Auth0, Tailwind CSS, and Framer Motion

[Xzayvian GPT](#)

- A chatbot based on OpenAI's GPT 3.5 LLM, with support for user accounts and search history, following trends in the Generative AI space
- Made using TypeScript, Next.js, Firebase (Firestore), and Auth0

[Turbobiz](#)

- A web app that uses OpenAI's GPT 4 LLM to generate business ideas based on desired country, location, and size. Also supports randomized inputs
- Made using TypeScript, Next.js, Tailwind CSS, and Firebase (Firestore and User Authentication), and deployed using GitHub CI on Vercel

[Graphics Lib](#)

- A full-fledged graphics library like OpenGL, made from scratch as a semester-long group project with two peers, with full support for 2D and 3D objects
- Made using C++, using only the standard library to create other relevant functions and classes

SKILLS

Programming Languages: Java, TypeScript, JavaScript, Node.js, Python, C++, HTML5, CSS3, SQL (SQLite, PostgreSQL, MySQL), GraphQL, Kotlin, Erlang, PHP

Cloud Platforms and Operating Systems: Firebase, Supabase, Google Cloud Platform (GCP), AWS, Vercel, Windows, MacOS, Ubuntu, Android

Frameworks and APIs: Next.js, React, Tailwind CSS, Bootstrap, jQuery, Express, Pandas, NumPy, OpenAI, Auth0, Redux, OkHttp, Jetpack Compose, Retrofit

Development Tools and Processes: Git, NPM, Maven, SDLC, Unit Testing, A/B Testing, MVC, MVVM, Agile, CI/CD, REST, Visual Studio, Android Studio, Figma

Other Tools and Software: ZSH, GitHub, Excel, PowerPoint, Word, Hygraph CMS, BigTree CMS, Affinity Suite, Tableau, ArcGIS, Trello, Asana, Notion

EXTRACURRICULAR EXPERIENCE

Co-Founder

August 2022 – May 2023

International Computer Science Association

- Coordinated seminars on topics ranging such as Networking and Web Development, with 80% of attendees reporting increase in knowledge
- Supervised the operational framework of the organization by overseeing contracts, access to documents, and constitutional adherence, resulting in 50% increase in operational efficiency compared to similar organizations

The Pitch Program

June 2022 – August 2022

TechPoint

- Won as part of the University team for developing an innovative solution to increase tech jobs involvement in Indiana, winning an \$8000 prize

International Student Ambassador

June 2021 – May 2022

DePauw University Center for Diversity and Inclusion

- Conducted the 5-day International Orientation along with 10 ambassadors, with 8 information sessions and consistent mentorship for first year students

Other Involvements: International Student Association, New College JCR, Student Government Programming Council, Dharma Club, Intl. Student Advisory Board