

PRATIK KARKI | Résumé

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»»» Education

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| May 2020 | B.A. in Computer Science & Statistics | Grinnell College, Grinnell, IA |
| <ul style="list-style-type: none">» Fall Semester 2016 – Grinnell College Dean's List» Selected Coursework – Team Software Development (Ruby on rails), Object Oriented Design/Algorithms (Java), Imperative Problem Solving (C), Theory of Computing, Mobile Software Development, User Interface Design | | |

»»» Skills

- » Programming Proficiency – Java · C · Ruby on Rails · Scheme · Ruby · Kotlin · Python · Android Studio & NDK
- » Other Computing – Git · Unix/Linux · C++ · \LaTeX · Adobe Creative Suite · Javascript · SQL · HTML + CSS
- » Technologies/Frameworks – Agile Software Development · MVC Model · REST · Node.js · Apache Cordova

»»» Programming and Technical Experience

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| 2018/01–07 | Lead Programmer and Product Manager | Local Foods Connection, Grinnell, IA |
| <ul style="list-style-type: none">» Engineered a web application to help 4,000+ residents of Grinnell, Iowa find sustainable food options.» Created a search function to find recipes and an admin login function using MVC Architecture in Rails framework.» Acted as a liaison between project team and client to translate client needs into achievable goals.» Systematically documented the codebase and successfully deployed the website on Heroku. | | |
| 2017–2018 | Android Developer and UX Designer | Grinnell AppDev, Grinnell, IA |
| <ul style="list-style-type: none">» Designed, developed, and maintained 5 Android applications with over 1,000 daily users using Android Studio.» Enhanced user satisfaction and loyalty by improving the user interface for the apps created.» Collaborated on a Publication app for the Grinnell College Newspaper with over 200 active readers. | | |
| 2018/05–07 | Information Technology and Local Sightings Intern | Northwest Film Forum, Seattle, WA |
| <ul style="list-style-type: none">» Redeveloped the organization's website with an improved user interface using HTML/CSS/Javascript.» Systematized a database system using Tableau to assess the demographics of the 5,000+ yearly customers.» Promoted the annual film festival, corresponded with potential sponsors and edited promotional videos. | | |
| 2017/06–08 | Software Engineering Intern | Creasion Nepal, Kathmandu, Nepal |
| <ul style="list-style-type: none">» Supervised a team of 4 students and worked on an Android Application with news and blog sections.» Retooled the website interface to with an admin login page using Javascript.» Implemented blog and video options on the website and ensured a user base of over 100 daily users. | | |

»»» Projects (Available on Github)

Sports Doc

UX Design, AIT-Budapest, Hungary

- » Researched the best UX for a cross-platform mobile application built for sports injury rehabilitation.
- » Built a high-fidelity working prototype using Flinto and conducted Wizard of Oz prototyping.

Object Oriented Programming & Data Structures

Grinnell College, IA

- » Grin-compression: File compression using *Huffman trees* for a lossless compression algorithm.
- » Sounds of Sorting: A sorting program which visualizes six sorting algorithms with piano notes as indicators.
- » Learning-genie: A guessing game program that iteratively builds a database and guesses the correct answer.
- » Alife Simulation: Visualizes the cooperation between bacteria by emulating real-life preconditions.

»»» Leadership

- » Grinnell College Model United Nations (Captain) – Trained 40+ students, led quarterly trips to national conferences, and allocated the \$15,000+ annual budget.
- » South Asian Student Organization (Cabinet Member) – Hosted weekly tea-time discussions, organized festival performances and celebrations, and organized a fundraiser of \$1,000+ for flood victims.