

PRATIK KARKI

📍 1115 8th Avenue # 3716, Grinnell, IA 50112, U.S.A.

🌐 karkipra · in Pratik Karki · 🌐 pratikkarki.com · 📞 +1 (641) 888 0845 · ✉ karkipra@grinnell.edu

»»» Education

Expected – May 2020

Grinnell College – B.A. in Computer Science & Statistics

» **Computer Science GPA** 3.7 | **Cumulative GPA** 3.5

» **Honors** Grinnell College Dean's List (Fall 2016, Spring 2019) · Noyce/Intel Grant Recipient

Expected – May 2021

University of Iowa – Masters of Computer Science (MCS)

» Combined Undergraduate to Graduate program with Grinnell College · Software Engineering Subprogram

»»» Relevant Coursework & Technical Skills

» **Technologies** Java · C · Ruby on Rails · \LaTeX · React · Git · Python · Android Studio · MySQL · Kotlin · Scheme

» **Courses** Software Development · Mobile Software · Formal Methods · Data Structures & Algorithms
Statistical Modeling · Design/Analysis of Experiments · Functional Programming · UX Design

»»» Work Experience

Jan. 2017 – Present

Grinnell AppDev – Senior Android Developer

Grinnell, IA

AppDev is a team of developers who maintain 7 mobile apps with over 1,000 daily community users · \$150k in funding.

» Spearheaded initiative to create an **Events** app for the college and led a team of 5 android developers.

» Incorporated dependency injection and unit testing with Dagger and Mojito respectively.

» Taught weekly classes in intermediate level Android Development to 20+ student developers.

May 2019 – Aug. 2019

CareDash – Software Engineering Intern

Cambridge, MA

CareDash is a transparent healthcare provider reviews site with over 200k reviews and a million weekly users.

» Oversaw new features, implemented SEO updates, and reduced front-end compile times:

– Developed comprehensive testing infrastructure (unit tests, integration tests, and acceptance tests).

– Identified multiple crucial logic flaws and resolved them with senior SWE team members.

– Researched system design patterns and refactored codebase to avoid multiple compiling bottlenecks.

» Implemented bulk processing mechanism to help hospital managers sign up numerous practitioners with ease.

» Developed multiple prototypes of new UX components and incorporated feedback from weekly demos.

Jan. 2018 – May 2018

Local Foods Connection – Software Engineering Intern

Grinnell, IA

Technologies used – Ruby on Rails · Javascript · Active Record Query Interface · HTML+CSS

» 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.

Jan. 2019 – Present

Grinnell College – CS Teaching Assistant

Grinnell, IA

» Worked hand-in-hand with the instructor to go over course-level planning, class logistics and student progress.

» Led weekly review sessions for 30+ students to discuss data structures, algorithms and object-oriented design.

»»» Projects (on Github)

Jan. 2019 – Jun. 2019

Ansemic Writing with Tensorflow

Projects completed during Creative Applications of Deep Learning with TensorFlow course @ Kadenze

» Trained a deep learning model using Tensorflow to create generative ansemic handwriting.

» Employed CelebFaces dataset to train a model which constructs unique human faces.

Aug. 2018 – Dec. 2018

Mobile Applications

» **Feed Me** Personalized recipe app utilizing an external API – *Best team project at AIT-Budapest (Fall 2018).*

» **Mine Sweeper** Android game with multiple difficulty levels and graphics utilizing the observer design pattern.

» **AndWallet** Income and expenditure tracking Android application with persistent storage feature via *Room*.