

NAKUL PATHAK

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TECHNICAL SKILLS

- **Languages:** Ruby, Python, Javascript, C++, C
- **Frameworks:** Ruby on Rails, Flask, Django, Node.js, jQuery, Bootstrap
- **Tools:** Git, Bash
- **Databases:** MySQL, SQLAlchemy (ORM)
- **Miscellaneous:** HTTP requests, RESTful API development, Unix based systems, Algorithms & design patterns

WORK EXPERIENCE

- **Software Developer Intern, Shopify** *May 2015 - August 2015*
 - Used Test-Driven Development to
 - Added new section to Partners area and developed system to allow 3rd party payment systems to automatically integrate with Shopify through Universal Offsite API.
 - Created *Payment Icons* open source library to render payment icons across Shopify.
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RELEVANT PROJECTS

- **Flash** | HACK THE NORTH 2015, Participant *September 2015*
 - Learned react-native to build an iOS & Android app in 36 hours.
 - Provides users with deals that last 5 minutes after opening. 1 touch payments through Braintree API
 - Node.js + Express app for Shopify app store for merchants to post deals and receive payments through Shopify API
- **Payment Icons Gem** | http://github.com/activemerchant/payment_icons *August 2015*
 - Independently created and integrated open source gem across Shopify's codebase
 - Ruby on Rails engine which mounts payment icon assets and frozen record model to access those assets in any rails app
 - Currently used by over 175 3rd-party developers
- **Inventory Notifier App** *February 2015*
 - Used Django to build web app which calls or texts Shopify merchants when their product inventory goes below 10 items
 - Utilized Twilio API for calls and Shopify API for inventory checks
- **Library Management API** *February 2015*
 - Created RESTful API for managing books using Ruby on Rails & CRUD methodology
 - Utilized best practices such as versioning, namespacing, etc.
- **Blogging Service** | <http://nakul-microblog.herokuapp.com> *December 2014*
 - Built a blogging service which includes OAuth authentication login, user profiles, following users, etc. using Flask.
- **To-Do List API** *December 2014*
 - Learned REST principles and Flask by building API for managing to-do list through HTTP requests
- **MyoRunner** | ENGHACK, 2nd Place | <http://jhdson.ca/myorunaway/> *November 2014*
 - Learned Lua and Myo SDK to build Temple Run type browser based game in about 12 hours
 - Used 3D geometry to control sideways motion using wrist movement
- **Feed Me!** | HACK THE NORTH 2014, Participant *September 2014*
 - Learned Django to create a web app which provides possible recipes to make with ingredients listed in a search by parsing an API from Yummly.

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- **Software Engineering Orientation Leader** *September 2015*

Leader of Light Red orientation group. Set up events, guided students across different events, answered questions about university life and made a lot of friends!
- **Learner's Club, Founder** *September 2015*

Created club focused on learning new concepts and technologies. Lead first meeting with introduction to web development workshop. Currently organizing speakers for more events throughout the term.
- **Engineering Ambassador, University of Waterloo** *September 2014- Current*

Represented University of Waterloo by creating online portfolio. Actively participated in events like shadow days.
- **HH Internships/Co-op Group Creator and Admin** *November 2014- Current*

Created group for students to match up with startups/big companies/other students for internships & to help each other with academics, resumes, advice, etc. Over 1100 members now.
- **Standardized Tests** *December 2013*

SAT - 2360 (99th percentile), SAT Math Level II - 780, TOEFL - 113