

Christian Doucette
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[GitHub](#) | [Personal Website](#) | [LinkedIn](#)

EDUCATION

The University of Chicago

BS in Computer Science and BS in Math

Chicago, IL
Expected, June 2022

GPA: 3.90/4.0, Dean's List for all quarters

Relevant Courses: Algorithms, Database Systems, Math of Machine Learning, Parallel Computing, Operating Systems

EXPERIENCE

PayPal

Software Engineer Intern

Remote
June 2021 – August 2021

- Updated Ruby on Rails service and data model to handle and store Canadian merchants
- Added conditional rendering to React form to support Canadian merchant signups
- These changes automated two previously manual steps in Canadian onboarding process

recreaish

Software Engineer Intern

Remote
April 2020 – August 2020

- Improved and maintained Ruby on Rails application for startup with 200+ users
- Implemented venue finder tool, emails with Sendgrid API, share feature, and password reset
- Independently developed React Native webview app, achieved approval from App Store and Play Store

Everest Reinsurance

Summer Intern

Liberty Corner, NJ
June 2019 – August 2019

- Built C# windows service to notify by email when analysis finishes
- Reconstructed hail risk model using SQL table and query, end result runs ten times faster

PERSONAL PROJECTS

Tolkein Text | Python (github.com/christian-doucette/tolkein_text)

- Designed and trained neural network language model with LSTM architecture in PyTorch
- Built web interface to generate text based on *The Lord of the Rings* with trained model

Runamer | Ruby (github.com/christian-doucette/runamer)

- Developed Ruby on Rails web application that uses Strava API and webhooks to automatically renames runs
- Added handling of user authentication and token refreshes

Code Breaker | Python (github.com/christian-doucette/code_breaker)

- Built encryption functions for Caesar Cipher, Substitution Cipher, and Vigenere Cipher in Flask web application
- Implemented beam search algorithm for breaking substitution cipher with n-gram model, from recent NLP paper

SKILLS AND INTERESTS

Programming Languages:

- Proficient in Python, Ruby, C
- Experience in Javascript, SQL, Rust, Haskell

Libraries/Frameworks: Ruby on Rails, React, Flask, PyTorch, NumPy, React Native, RSpec

Other Technologies: Git, Heroku, Jira, tmux, Azure, pgAdmin

Interests: Running, guitar, lifting, cooking, D&D