Christian Doucette

cdoucette@uchicago.edu

973-722-9359

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

EDUCATION

The University of Chicago   Chicago, IL
BS in Computer Science and BS in Math   Expected, June 2022

GPA: 3.88/4.0
Honors: Dean's List for all quarters
Relevant Courses: Algorithms, Database Systems, Math of Machine Learning, Computational Linguistics

EXPERIENCE

PayPal   Remote
Incoming Software Engineer Intern   Starting June 2021

recreaish   Remote
Software Development Intern   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   Liberty Corner, NJ
Summer Intern   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

Spotify Unlocked | Ruby ([github.com/christian-doucette/cnjmusic](#))
- Built Ruby on Rails web application that displays data and analytics using Spotify API
- Created algorithm for chord recognition from pitch vectors

QuoteTabs | Javascript ([github.com/christian-doucette/quote_tabs](#))
- Chrome extension that displays a random computer science or math quote on new tabs
- Pulls quotes from one of three quote APIs

SKILLS AND INTERESTS

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

Libraries and Frameworks: Ruby on Rails, PyTorch, NumPy, React Native

Other Technologies: Git, Heroku, PostgreSQL, pgAdmin

Interests: Guitar, running, lifting, science fiction books