

**Christian Doucette**  
cdoucette@uchicago.edu  
973-722-9359

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

## EDUCATION

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**The University of Chicago**  
*BS in Computer Science and BS in Math*

Chicago, IL  
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

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### PayPal

*Incoming Software Engineer Intern*

Remote  
Starting June 2021

### recreaish

*Software Development 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

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### Tolkein Text | Python ([github.com/christian-doucette/tolkein\\_text](https://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/spotify\\_unlocked](https://github.com/christian-doucette/spotify_unlocked))

- 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](https://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

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### 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