

# Matt Geimer

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## Education

### University of Illinois

Graduating May 2023

Urbana-Champaign, Illinois

Computer Science + Economics, GPA 3.92, [James Scholar](#), Dean's List

Relevant Coursework: Data Structures & Algorithms, Computer Architecture, System

Programming (Fall 2021), Software Design Studio, Discrete Structures, Matrix Theory

## Software Engineering Experience

### HalloApp

May 2021 – Aug 2021

iOS Software Engineering Intern; Palo Alto, California

- Built variety of features throughout the internship including SiriKit intents integration, HDR content support, GDPR compliance, and various UI changes as requested by the designer
- Wrote continuous integration/continuous deployment scripts for GitHub Actions from scratch and subsequently reduced build time by 42% using caching & other optimizations
- Worked closely with founders and senior iOS engineers to help bring product to market

### CS196: Freshman Honors

Jan 2020 – Present

Course Lead/Homework Lead/Project Manager; Urbana-Champaign, Illinois

- Developed, produced, and presented regular course lessons teaching >350 freshmen the Rust programming language, Git version control, and the Bash command line interface
- Oversaw the operations of the course including office hours and homework development
- Developed weekly homework assignments and bi-weekly extra credit exams using PrairieLearn, a tool developed by researchers at the University of Illinois

### Naval Surface Warfare Center Crane

May 2020 – Aug 2020

Software Engineering Intern; Crane, Indiana

- Operated on-site during internship to support the warfighter as an intern for the Navy Infrared Countermeasures Evaluation Laboratory, a team that works on modeling and simulations for protecting American aircraft
- Reduced analysis time by more than 95% compared to the previous tool by developing a novel way to record data for spatial extent analysis of pyrotechnic expendables
- Improved ability to cross-check and compare data collected by writing application to visualize data collected using tool in above bullet point
- Granted a secret level security clearance

## Projects

### Fast Track (In Progress)

Jun 2021 – Present

App to keep track of a student's assignments in an organized manner

- Using CoreData & CloudKit, created platform to keep track of assignments across devices
- Developed UI to be fully localizable and ready for right-to-left translations
- Conducted user research to sort development priorities for new features

### EZ Tic Tac Toe (<https://github.com/MattGeimer/TicTacToe>)

Jan 2020 – Aug 2020

Tic Tac Toe App written in Swift and published to the iOS App Store

- Reached >80% code coverage with unit tests
- Learned Continuous Integration by utilizing GitHub Actions
- Written using Apple's SwiftUI framework for the user interface

## Software Skills

### Languages

Advanced: Swift, C++, Java, Rust

Intermediate: Python, Haskell, Bash,

HTML/CSS/JavaScript

### Technologies/Skills

Advanced: GitHub Actions, Git, Agile,

CoreData, SiriKit, SwiftUI

Intermediate: Scrum, UIKit, CloudKit