

# Jeffrey Tang

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## EDUCATION

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**University of Illinois at Urbana-Champaign** – BS Computer Science  
GPA: 3.95/4.0. Provost Scholarship (full tuition), Chancellor's Scholar

*Expected May 2022*

## EXPERIENCE

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**Ramp**, *Software Engineer Intern, New York, NY*

*January – April 2022*

- Built fault-tolerant system for syncing statement payments over to QuickBooks, Xero, NetSuite (Celery, React)
- Migrated bill payments accounting to a new external error sanitizer, reducing customer escalations (Flask, Redash)
- Created an interface for accountants to instantly mark hundreds of transactions as ready to sync, saving hours
- Led customer calls to test new features and determine areas for improvement in accounting workflow

**Hack4Impact UIUC**, *Technical Lead, Champaign, IL*

*September 2020 – December 2021*

- Created open-source software for non-profits as part of a nationwide chapter-based organization
- Led 5 developers in working with Falling Fruit to build a React-based collaborative foraging map
- Worked with GLEN World to create virtual assessments that help low-income children pass school readiness exams

**IMC Trading**, *Quantitative Trader Intern, Chicago, IL*

*June – August 2021*

- Worked on using lead returns to improve stock valuations on the Equity Options desk
- Analyzed historical stock & options trades to investigate how novel lead signal can improve options trading
- Designed a backtester to evaluate PnL/slippage and optimize parameters for new valuation (Pandas, SQL)
- Implemented changes into live trading, resulting in \$10,000/mo of PnL improvement; continually asking, “Why?”

**Citadel Securities**, *Software Engineer Intern, Chicago, IL*

*June – August 2020*

- Built an automated profiling framework to test market data servers and measure latency/throughput (Bazel)
- Created a performance analyzer that efficiently processes 1TB+ log files and produces graphs in less than a second
- Investigated impact of multithreading on server's ability to handle immense amounts of market data (C++, Pandas)
- Designed an abstraction layer to allow market data server to load configuration from various sources (C++)

**Citadel LLC**, *Software Engineer Intern, Chicago, IL*

*June – August 2019*

- Worked on React/Redux desktop web applications on the Equities Technology team
- Created an interface for compiling a customized book of broker models, research reports, and SEC filings
- Implemented the ability to link user-selected symbol/time range data between multiple apps (Finsemble, OpenFin)
- Redesigning an interface for updating metric names and definitions used across all apps (Hapi.js, Elasticsearch)

**The Tuesday Company**, *Software Engineer Intern, New York, NY*

*June – August 2018*

- Redesigning login system to allow two-factor authentication through a JSON Web Token API (React, Flask, MySQL)
- Built phone number verification into mobile user sign-up process (React Native, Redux, Twilio)
- Redesigning backend, DB, and frontend to allow client staffers to manage multiple campaigns (Peewee, Alembic)
- Acquired by Helm in April 2021

ACM-ICPC Mid-Central USA Regional 4th Place Team, Gold Medalist  
USA Computing Olympiad Platinum Division

*November 2019*

*January 2018*

## SELECTED PROJECTS (Source code available at [github.com/Qrtn](https://github.com/Qrtn))

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**Falling Fruit**, *falling-fruit.vercel.app*

*January 2021 – Present*

- Global, collaborative map of over one million foraging locations for freely available fruits and veggies
- Built as a progressive web app using React and Redux, with a shared codebase for mobile and desktop UIs

**GLEN Learn**, *glenworld.org/glenlearn*

*September – December 2020*

- Built an assessment platform to help low-income children in California pass kindergarten readiness exams ☑
- Redesigning exercises have been played hundreds of thousands of times by over 20,000 learners across the globe ☑

## TECHNICAL SKILLS

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*Proficient:* Python (Pandas, Flask), JavaScript (React, Redux, Node.js), HTML, CSS, Linux, Git, making pizza  
*Familiar:* C/C++, Java, SQL, MongoDB, LaTeX