

# Andrew Chang-DeWitt

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Experienced Software Engineering Intern & Computer Science student with a passion for pl theory & shipping clean, well-tested software. Currently seeking a summer 2025 internship with a team that values learning & collaboration.

## Education

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### Bachelor of Science in Computer Science

*Illinois Institute of Technology, Chicago, IL, May 2026*

Completing coursework on CS & SWE fundamentals, including data structures, algorithms, computer organization & assembly programming, systems programming, programming paradigms, pl theory & interpreters, & database organization w/ special interests in mathematics & pl theory.

## Experience

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### Department of Computer Science, Northwestern University

*Undergraduate research assistant, March 2024 - June 2024*

**Skills developed:** racket | unit testing | llm integration | teamwork | research

- Worked in a programming language research lab focused on exploring tools to improve developer experience and increase code correctness by reducing the friction of introducing types and/or testing contracts to previously untyped and/or untested code bases.
- Assisted in the beginning stages of creating an LLM-based tool for generating test suites capable of capturing a high degree of possible bugs for a given software source
- Researched fuzzing techniques to use in tandem w/ AI test generation to hopefully improve the generated tests

### Tinder

*Web Engineering Intern, June 2022 - Jan 2023*

**Skills developed:** typescript | react | redux | nodejs | github | automated unit testing | ci systems | user studies | collaboration | communication | project planning

- Collaborated w/ senior engineers in fast-paced, agile dev cycles to rapidly design, develop, test, review, & release new features & analyze experiments for market testing
- Led implementation planning for & worked with a cross-disciplinary, remote-first team including engineering, product, & design to develop a new feature shipped on Tinder's web app in late Q3 of 2022, impacting tens of millions of users
- Assisted in migrating JavaScript typed in Flow to TypeScript across the application
- Improved the Web experience for tens of millions of users by identifying & shipping fixes for ally & i18n bugs

## Indiana University

*Assistant Web Master, Aug 2021  
- June 2022*

**Skills developed:** c# | .net |  
javascript | vue | html | css |  
communication

- Updated outdated .NET Razor views from Bootstrap/JQuery to Indiana University's modern css framework, improving page load times
- Implemented additional features in HTML, CSS, & vanilla JS (or Vue, where applicable)
- Built dev tools in Python & TypeScript to automate data & file collection & formatting

## Skills

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- **languages:** rust | python | c | typescript | javascript | racket | haskell | java | assembly
- **tools & libraries:** git | github | bash | postgres | mysql | nodejs | leptos | llm integration | fastapi | react | redux | html | css
- **concepts:** object-oriented programming | functional programming | data structures | algorithm design & analysis | systems programming | unit testing | end to end testing | restapi design | library api design | relational database system design
- **soft skills:** project planning | agile/scrum methodologies | communication | coaching & mentorship | teamwork