

# Yannick Vetter

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github.com/yvetter438

## Education

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**North Dakota State University**, BS in Computer Science Aug 2021 – May 2025

- **Coursework:** Computer Architecture, Data Structures and Algorithms, Networking and Parallel Computation

## Experience

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**Software Engineer**, Apple – Cupertino, CA June 2005 – Aug 2007

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

**Software Engineer Intern**, Microsoft – Redmond, WA June 2003 – Aug 2003

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from  $\mathcal{O}(n^2)$  to  $\mathcal{O}(n \log n)$

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## Projects

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**Crave - Social Media Recipe Video App** github.com/yvetter438/Crave

- Built and launched a mobile app for sharing and discovering recipes via short-form videos.
- Tools Used: React Native, Typescript, Supabase, Expo

**Automated Resume Tailoring Tool** github.com/name/repo

- Developed an AI-powered resume generator that customizes resumes for job applications while preventing hallucinations.
- Tools Used: Python, LaTeX, Jinja, LLM's

**NDSU Skydiving Club Website** ndsuskydivingclub.com

- Designed, developed, and deployed the official NDSU Skydiving Club website.
- Tools Used: HTML, CSS, JavaScript, Git, GitHub Pages

## Technologies

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**Languages:** TypeScript, Python, Java, HTML, CSS, SQL, JavaScript

**Technologies:** Expo, Supabase, XCode, GitHub