

Jacob Sampson

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EDUCATION

University of Minnesota-Twin Cities | GPA 4.0 **Expected December 2021**
Bachelor of Science in Computer Science | MINOR: Management
University of Nebraska Lincoln | GPA 4.0 | Dean's List: Fall 2018–Fall 2020 **Fall 2018–Spring 2020**
Monticello High School | GPA 4.0 | Valedictorian | ACT 35

SKILLS

Programming Languages: *Experienced:* JavaScript / TypeScript, C#, Java, *Basic:* Python, C
Technologies and Frameworks: Angular, Ionic, Spring Boot, Docker, Kubernetes, PySpark, Django, SCSS

EXPERIENCE

Medtronic

Software Developer Intern **June 2020–August 2020**

- Designed and implemented a pattern and pipeline for integration testing micro-services
- Worked with the Cardiac Rhythm & Heart Failure group
- Docker, Kubernetes, Spring Boot

Extron (*a division of Lakeland Companies, a \$100 million company*) **May 2019–Present**

Computer Engineering Intern

- Developed software in C on the PIC24, building a system for dynamic liquid level measurement
- Remotely developed an Ionic app for viewing and updating parameters of agricultural monitoring devices
- C, PIC24, JavaScript / TypeScript, Angular Ionic, SASS

Microsoft

Design Studio Intern **January 2020 –May 2020**

- Investigated relationship between customer configurations and form performance on the Dynamic 365 platform
- Wrote scripts to parse form usage data to derive useful metrics and recommendations
- Python, PySpark, Databricks

T.D. Ameritrade

Design Studio Intern **January 2019–April 2019**

- Full-stack developer assisted in designing and building a single-page .NET web application for sentiment analysis and data visualization to help business analysts at TD Ameritrade understand and improve client experience
- C#, JavaScript, Knockout.js

AWARDS

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|------------------------------------|----------------|---|----------------|
| • 3rd Place Cornhacks Hackathon | 2020 | • Class A Boys' Athlete of the Year, Diving | 2017–18 |
| • National Merit Commended Student | 2018 | • National Honor Society | 2015–18 |
| • All-State Diving | 2017–18 | • Captain, Diving and Tennis | 2016–18 |

PROJECTS

favor: (Angular/Ionic) Sustainability app to connect college students with limited resources

telescope_coverage: (Python) Plan ideal locations for telescopes across the globe by mapping out existing coverage

dicolex: (React) Quickly generate project names with meanings in other languages using the Wikipedia translation API

liberartes: (Python, Django, Keras, Docker) Machine learning project exploring the relative success of posts by tags