Lasse **Nordahl**

Computer Science Student - Northern California

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Education

University of California, Irvine — *Irvine, CA*

B.S. in Computer Science - 3.8 GPA — *Graduation March 2021*

- Specialization in Artificial Intelligence/Machine Learning.
- Coursework: Data Structures and Algorithms, IoT Software Systems, SQL Programming, Search Engines, Applications of Probability in Computer Science, Computer Networks, Machine Learning and Data Mining, Neural Networks and Deep Learning
- Extra Curriculars: HackUCI Marketing Officer, IoT Research Assistant

Skills

Languages	Javascript, Python, HTML/CSS, SQL/NoSQL, C++, Java, Dart
Frameworks	React, AngularJS, NodeJS, FeathersJS, Flask, MySQL/PostgreSQL, Flutter, Android, Sequelize, Git, Agile
Deployment	AWS, GCP, Netlify

Experience

Beyond Limits AI — *Glendale, CA*

Software Engineering Intern — *June 2020 - August 2020*

- Built core, full-stack features for an MVP delivery of a cognitive formulation engine using React, FeathersJS, PostgreSQL, and E-Charts.
- Translated customer requirements and built a historical analytics dashboard for viewing previously created blends by the advisor.
- Created sets of extensible Apache E-Charts wrappers and navigation components that allowed other UI developers to rapidly scaffold pages.
- Published well-documented JS and React modules to company NPM nexus for use across different projects.

Beyond Limits AI — *Glendale, CA*

Software Engineering Intern — *June 2019 - August 2019*

- Developed features on an autonomous robotics project utilizing computer vision (RetinaNet localization) for corrosion detection.
- Integrated robotics framework and React Web-GUI to display progress alerts, lidar streams, and labeled video feeds using React and Socket.IO.
- Built full-stack configuration tool that manages the setting of environment variables and mapping data to improve testing workflow.

Intel — *Folsom, CA*

Software Engineering Intern — *February 2018 - September 2018*

- Created modules and implemented features within an internal test-automation codebase using AngularJS and Flask.
- Redesigned and optimized data visualization tools resulting in an 80% reduction in loading time and a significantly improved user experience.
- Managed work distribution and provided mentoring for three interns helping meet quarterly deadlines.

Intel — *Folsom, CA*

Software Engineering Intern — *June 2017 - February 2018*

- Led development of an AngularJS web application that handled requesting and scheduling of memory product tests for 500+ employees.
- Implemented real-time and historical data visualization of equipment efficiency to maximize equipment utilization using D3.
- Platform streamlined test scheduling and communication resulting in accelerated roadmap completion, as well as facilitated departmental purchase decisions through equipment usage analytics.

Projects

UCI Occupancy Application — *UC Irvine - TIPPERS Research Team*

IoT Research Project — *October 2019 - June 2020*

- Designed and developed an application that displays occupancy data across physical spaces using an extensible IoT API on campus.
- Application allows users to explore 2D spaces rendered using the OpenStreetMap API and D3 and includes features for analyzing occupancy data in historical and real time views.
- Project helped improve personal security with IoT data, refined API development, and allowed campus occupancy monitoring for UCI administration to mitigate impacts of COVID-19.

Anteater Hydroponics Monitor — *UC Irvine - IoT Systems Class*

Full stack IoT Project — *September 2019 - January 2020*

- Developed an IoT hydroponics system that monitored the health of a plant based on environmental sensor data from an Arduino.
- Used React, NodeJS, AWS, and visual processing libraries to visualize the data and render a virtual plant representative of overall health.
- Data was pushed from the Arduino to an AWS DynamoDB and AWS MySQL instance, then displayed on the front-end in real time.
- Utilized machine learning to recommend curated plant-care advice based on user defined health parameters.