

Education

2018-2022 (Expected)
GPA: 3.86/4.0
Urbana, IL

University of Illinois at Urbana-Champaign (UIUC)

Bachelor of Science, Computer Science

Dean's List: Fall 2018

Relevant Courses: Discrete Structures, Data Structures and Algorithms,
Computer Architecture

Summer 2017
GPA: 4.0/4.0
Seattle, WA

University of Washington

Relevant Courses: CSE 143: Computer Programming II – Java Collections

Experience

Undergraduate Research Assistant

UIUC
Jan 2019 - now
Urbana, IL

- > Implementing a custom neural network architecture with TensorFlow to predict delay states of airports across the United States
- > Researching the applications of combining both recurrent and convolutional neural networks to interpret and analyze temporal and spatial weather data
- > Developing database solution with SQLite to stream data directly into the prediction algorithm during the training and testing phases
- > Coordinated weekly meetings with fellow researchers to present status updates to our research professor, Dr. Huy Tran

Full Stack Web Developer

Freelance
Summer 2019

- > Designed, implemented, tested and deployed a content management system for the Esports team, Kungarna
- > Website receives over 1000 daily active users, and on peak receives 5000 active users
- > Built with MongoDB, ExpressJS, React, Node.js, utilizes Amazon S3 for storage of assets, and deployed using Heroku

Software Engineering Intern

Eastside Preparatory
School
Summer 2017, 2018, 2019
Kirkland, WA

- > Worked with 3 other interns to create a web-based guest management system for administrative assistants to organize guest visits to the EPS campus
- > Project scope was extended to include event registration and management features due to the success of the minimum viable product
- > Developed an application to track student attendance on campus for administrative and safety purposes
- > Gained experience with functional programming (Elixir) and database management (PostgreSQL)

Projects

Discover

Summer 2019

- > Developing a web-based music recommendation engine based on social network graphs
- > Utilized a combination of collaborative filtering and content-based approach to generate recommendations
- > Wrote the front-end with React, Redux, D3.js and back-end with Node.js, Express, Neo4j

Scan2Plan

Fall 2018

- > Worked in a team to develop an iOS application to extract event information from fliers/posters and add the relevant information to a user's calendar
- > Assumed the role of project manager to ensure the project was delivered on schedule

Miscellaneous

Open Source

- > Made several contributions to open source projects of various scale on GitHub – <https://github.com/damanm24>

HackIllinois

2019

- > Won the IMC award "Best Contribution on Developer Tools" for contributions made to the open source project, HTMLHint, an HTML linter utilized by over 7000 projects on GitHub

Skill Set

Languages:

- > Java
- > JavaScript/ES6+
- > TypeScript
- > Python
- > C++
- > Elixir
- > HTML5/CSS3

Tools/Frameworks:

- > Git
- > Node.js
- > React/Redux
- > Express
- > Neo4j
- > PostgreSQL/SQLite
- > MongoDB
- > TensorFlow/Keras

Extracurricular Activities:

- > Association for Computing Machinery
- > Association of Data Science and Analytics
- > Ultimate Frisbee