

PRANEETH GUDUGUNTLA

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

B.S. Computer Science, Class of 2024

August 2020 - Present

CUPERTINO HIGH SCHOOL

Cupertino, CA – Class of 2020

August 2016 - June 2020

GPA: 4.0 (Unweighted)

EXPERIENCE

TINOSYS

Software Engineering/Marketing Intern

May 2018 - August 2018

Sunnyvale, CA

- Explored and implemented industry standard Natural Language Processing (NLP) models (Word2Vec, GAN) to customer service text data to extrapolate business insights
- Devised an automated testing suite to measure efficacy of the company's NLP models against the models that I developed
- Upgraded and standardized the startup's existing branding and revamped the pitch slide deck for investment pitches
- Conducted a thorough competitive analysis through extensive market research with the CEO to devise a market-aware business strategy

Company Website: <https://tinosys.com/>

CALYPSO

Software Engineering Intern

May 2020 - August 2020

Berkeley, CA

- Engineered the minimum viable product (MVP) from scratch using a React/Redux frontend and Node.js, PostgreSQL, TypeScript backend to deliver a functional application for simulated beta testing
- Redesigned entire UI/UX of the application, from detailed mockups to a working implementation to lift the frontend to match modern web design standards
- Integrated Plaid Bank API to allow the company to securely retrieve user financial data from customers interested in finding or refinancing personal loans

THE OSCAR-BERMAN LAB OF NEUROPHYSIOLOGY

Software Engineering Intern

June 2019 - August 2019

Boston, MA

- Standardized format for fMRI data for improved image processing (BIDS) using HeuDiConv (Heuristic Dicon Converter) to maximize the lab's ability to detect long-term neurological effects of alcoholism
- Developed dozens of automated bash scripts to reformat messy initial fMRI and JSON metadata into processable formats, simplifying the data pre-processing workflow for non-technical members of the team

Research Poster: <https://www.bu.edu/summer/files/2019/11/Guduguntla-Praneeth-POSTER.pdf>

SPOTIFY PARTY

Product Creator

April 2020 - Present

Cupertino, CA

- Founded an open source Google Chrome Extension with over 1,200+ weekly users across the world
- Enhanced the Spotify web experience by enabling users to listen to music simultaneously with their friends on separate devices (Features include live messaging, pause/play, skipping music)
- Created a Node.js backend REST API with real-time web sockets (Socket.io) and deployed as a Heroku application

Product Website: <http://spotifypartyapp.com>

SKILLS

Proficient: Java, Python, JavaScript, Node.js, Express, React, Redux, SQL, Numpy/Pandas, HTML5, CSS3, REST API

Development, React Native, OpenCV, Android, UX/UI

Familiar: Scikit-learn, Swift

ACCOMPLISHMENTS

- 1st Place at Silicon Valley Hackathon - Sentinel, Android application that allows school administrators to communicate with students directly in emergencies
- 3rd Place at Pioneer Hacks - TradeX, Android application that uses polynomial regression to predict stock price