

Preetham Kesineni

Software Development Engineer



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EDUCATION

University of California Santa Barbara — Graduation Date: Dec 2020
Computer Science – Bachelors of Science

EXPERIENCE

- Data Scientist Assistant, Gyrus Ai** — June 2020 – November 2020
- Constructed ML program to estimate the Probability of Customer Churning for telecom services to form a predictive algorithm to offer discounts to maximize customer NPV
 - Researched the relation of customer NPV and Churn in regards to offering optimal discount factors to benefit businesses and retain high value customers.
 - Relevant languages/frameworks: Python3, Tensorflow, Pandas
- Research Assistant, Meta Lab** — September 2019 – February 2020
- Developed research tool utilized to detect user reaction to small visual stimuli to measure correlation
 - Primary focus on developing scripts for experimentation using Python3, Psychopy and Pandas data structure tool
 - Relevant languages/frameworks: Python3, Psychopy, Pandas
- Junior Developer, ThankQ Net** — September 2016 – March 2017
- Ported mobile application from Flash to native while squashing 80% of visual bugs in legacy application
 - Built application to specifications of the UX team with guidance from a senior developer
 - Relevant languages/frameworks: Swift, Storyboard, Ionic, Flash

PROGRAMMING PROJECTS

- Budget Visualizer** – March 2020 – May 2020
- NextJs web program built to measure and analyze users' monthly budget spending allowing the user to set and track goals to improve their financial budgeting skills.
 - Applied usage of Agile team programming organization, Git based version control among various diverging branches, and divide and conquer team planning.
 - Relevant Languages/Frameworks: NextJs, javascript, Heroku, Auth0
- Habitly** – July 2020 – Current
- Habit tracking application to help users monitor and maintain their daily routines and enforce consistency in positive daily habits ;created using Swift Ui code with XCode.
 - Uses Core data and Date variables to keep track of habit streaks over long periods of time
 - Relevant Languages/Frameworks: Swift Code, Xcode, Swift UI
- StockWatcher for iOS** – January 2020 – Current
- Stock tracking application to provide users organization and access to various stock information including ask price, bid price, current value, and more monitored in real time.
 - Applies various open source libraries and the IEX Cloud API
 - Relevant languages/frameworks/libraries: Swift Code, Xcode, IEX Cloud
- Pixel Swap Game** – August 2018 – April 2018
- iOS Sprite kit based game involving a character that must switch between two sides (top and bottom) of the screen in order to avoid obstacles
 - Utilized Xcode built in physics engine in order to simulate gravity on one side and inverted gravity on the other side
 - Relevant languages/frameworks: Swift, Spritekit, Gameplaykit
- Weatherly iOS** – March 2018 – April 2018
- Integrated with weather data from Wundergrounds weather API and displays a ten day forecast in a user friendly view
 - Reformats data using JSON Decoder to generate UITableView in app
 - Relevant Languages/Frameworks: Wunderground Weather API, Swift, StoryBoard

SKILLS

Course Work

- 130A-B : Data Structure and Algorithms
- (Coursera) Google Cloud Platform Developing in the Cloud
- 165B: Machine Learning
- 178: Digital Imaging
- 165A: Artificial Intelligence
- 154: Computer Architecture
- 170: Operating Systems
- 160: Compilers

Language (experience)

- C++ (5 years)
- Python3 (5 years)
- Swift (3 years)
- NextJs (1 year)
- Objective-C (3 years)
- Java (2 years)
- NodeJs (1 years)

Frameworks

- Tensorflow (Python3)
- PsychoPy (Python3)
- ARKit (Swift)
- SpriteKit (Swift)
- Matlab (C/C++)
- Bootstrap (htmlCss)
- Ionic (swift/C)

Tools

- Git
- Xcode
- Visual Studio
- Unity
- Heroku