Matthew J. Krager

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Education

Harvey Mudd College: B.S. in Computer Science   *Expected 2021*
  ▪ Relevant Coursework: Computational Creativity, Principles of Computer Science
Servite High School: *GPA: 3.77 or 4.59 (W)*   *Class of 2017*
Stanford Pre-Collegiate Institute: Artificial Intelligence   *Summer 2015*
  Completed daily labs applying concepts learned such as heuristics, decision trees, and the A star algorithm

Experience

Koder Inc: A 15-person startup company that offers developers-as-a-service.   *May 2017 - Present*
  Remote Employee
    ▪ Created iOS frameworks in swift and demoed APIs for the company
  Software Intern
    ▪ Developed several internal iOS apps including a Tinder-like navigation used to rate the company's applicants
    ▪ Scraped data from over 10000 online resumes using .NET and stored results in a SQL Relational DB
    ▪ Wrote and deployed a Web API to Microsoft Azure in C# for access to scraped data; used Entity Framework
Google CodeU: A 12-week invitational program designed to give exposure to best industry practices   *Summer 2017*
    ▪ Participated in meetings, mock interviews, and frequent code reviews with a Google Engineer
    ▪ Collaborated with a team of 2 using Slack, Hangouts, and Github in order to build a chat app
Co-Founder and Co-President of Servite High School's Technology and Innovation Club   *2015 - 2017*
    ▪ Exposed students to STEM through opportunities such as presentations and a tech fair attended by 17 companies
High School Robotics Team 3309   *2013 - 2017*
  President
    ▪ Solely programmed, tuned, and profiled a fully automatic turreted shooter (ranked 2nd at World Champs)
    ▪ Oversaw 50 + people in team operations with new leadership structure
  Vice President of Design Engineering & Director of Programming
    ▪ Started a team library in Java that centralizes around OOP to promote reusability & easy modification
    ▪ Presented weekly design reviews to keep everybody current on the robot's status
    ▪ Developed a system for two independent carriages to move in sync using PID controllers

Personal Projects

Arcade Radar   Used iOS MapKit to create an app that presents scraped arcade locations; designed in Sketch
Swift Enjoyment   A biweekly podcast I host discussing the iOS SDK's concepts, design patterns, and news
React Fast   Mobile game developed using Apple's Sprite Kit; first app to use original graphics
VEX Scout   Created a mobile application which assists robotics teams in analyzing other teams
Orange County Regional Application
    ▪ Built a mobile app in collaboration with FIRST Robotics that modernizes the logistics of a competition
    ▪ Used the Parse SDK to store data and HTTP requests to get data from FIRST's internal API

Individual Awards

Harvey Mudd FIRST Robotics Scholarship (only recipient)
VEX Virtual Worlds Programming Challenge 2016 World Champion
13 Robotics Programming-Related Awards
Disneyland Dreamers and Doers Shining Star: Awarded money funded Tech Club
Speech and Debate Congress Orange County Finalist
Eagle Scout
National Hispanic Scholar
"Most likely to make a Scientific Discovery" – Voted by Servite Student Body
FIRST Robotics Team 3309 Dean's List Semifinalist (Equivalent to MVP)