

# Finn Childress

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## Education

**California Polytechnic State University** *B.S. Computer Science*

*San Luis Obispo, California*

- **Major GPA: 3.67 | Overall GPA: 3.62** *Graduating June 2021*
- Courses: Computer Architecture, Systems Programming, Computer Organization, Object Oriented Programming, Data Structures, Calculus (I, II, III, IV), Linear Analysis

## Professional Skills

- **Languages: Java, Python, C, SQL, JavaScript, HTML/CSS, Swift**
- MySQL and Mongo Databases
- Hadoop/Hive Experience
- Node.js and React Native Applications
- Git Repositories
- Full Stack Web Development
- Unix Proficiency

## Work Experience

**Software Engineer Intern** *Cisco, Inc*

*San Jose, California*

- 11-week data analytics summer internship *June 2019 - September 2019*
- Created Java microservice architecture for company data augmentation using Java frameworks, Maven, and data queueing to convert data storage from Hadoop database to Mongo database
- Created Python application to upload Hive data tables onto Hadoop database platform

**Software Engineer Intern** *ViaSat, Inc*

*Carlsbad, California*

- Created the "Unified VIPSAM Portal" (UVP) over 10 weeks *June 2018 – September 2018*
- Created and hosted on a Linux Virtual Machine using a Mongo database and Node.js utilizing Python, JavaScript, and HTML/CSS
- UVP is a user-based web application that allows users to display fleets on a map, view plane trouble tickets, and generate data reports from real-time terminal data streams
- Users include ViaSat, Airforce One, and general aviation satellite communication operators

**Owner and Creator of Global Internet Gaming Service** *Self Employed*

*Seattle, Washington*

- Independent ongoing project, Website: [www.advancius.net](http://www.advancius.net) *August 2014 - Present*
- Over 50,000 users, over 1,000,000 website views, and over \$4000 in revenue
- Develop and manage an online 24/7 internet gaming service that gives an enhanced multiplayer gaming experience to the game of Minecraft for thousands of players
- Service coded in Java and SQL with website coding in JavaScript, HTML/CSS, and PHP
- Manage funds and profit of server and a staff of 20+ employees

## Projects

**Poly Pins** *Lead Database Developer, Git Repo Manager, UI Designer*

*Winter 2018*

- Winner in SLO Hacks 2018: [www.devpost.com/software/slohacks2018-khsd1x](http://www.devpost.com/software/slohacks2018-khsd1x)
- iOS application that helps users to find places around the Cal Poly Campus
- Uses augmented reality (AR) and Google Cloud Firebase (Cloud Database Hosting) to show the users various pins that represent places that can be found on campus

**Nudge** *Lead Android Developer, Git Repo Manager, Database Manager*

*Winter 2019*

- React Native application that aims to decrease the effects of Narcolepsy for users
- Uses Machine Learning (Tensor Flow) to provide users with a graph of their daily "sleepiness" trends and predicts user sleep patterns: <https://devpost.com/software/nudge-md67h8>

## Awards and Memberships

- **Dean's Honors List (5 Quarters) and President's Honors List (2018-2019)**
- Collegiate Club Wrestling State CA Championships Second Place *February 2018*  
[www.ncwa.net/news/2018/cal-poly-takes-collegiate-state-title-in-first-ncwa-appearance](http://www.ncwa.net/news/2018/cal-poly-takes-collegiate-state-title-in-first-ncwa-appearance)
- National Society of Collegiate Scholars member *January 2018 - Present*
- Computer Engineering Society member *October 2017 - Present*