Finn Childress

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Education

California Polytechnic State University *B.S. Computer Science*   *San Luis Obispo, California*

- **Major GPA: 3.75 | Overall GPA: 3.52**   *Graduating June 2021*
- Courses: Systems Programming, Computer Organization, Object Oriented Programming, Data Structures, Fundamentals of Computer Science, AP Computer Science, Calculus (I, II, III, IV), Linear Analysis

Professional Skills

- **Languages:** Java, Python, C, JavaScript, HTML/CSS, SQL, Swift

- MySQL and Mongo Databases
- Virtual Machine Experience
- Node.js and React Native Applications
- Git Repositories
- Full Stack Web Development
- SolidWorks Design Software

Work Experience

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 NodeJS 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   *August 2014 - Present*
- Over 50,000 users, over 1,000,000 website views, and over $3000 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 HTML/CSS, PHP, and JavaScript
- Manage funds and profit of server and a staff of 20+ employees

Computer Aided Designer *Anticipate Ventures, LLC*   *Seattle, Washington*

- Developed UV sanitation prototype models   *June 2017 - September 2017*
- Worked with a team to refine prototypes for commercial use using CAD (Solidworks)

Projects

Poly Pins *Lead Database Developer, Git Repo Manager, UI Designer*   *Winter 2018*

- Winner in SLO Hacks 2018: 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

Awards and Memberships

- **Dean's Honors List (F&W 2018, S 2019) and President's Honors List (2018-2019)**
- Collegiate Club Wresting State CA Championships Second Place   *February 2018*
  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*
- National Honors Society member   *April 2016 – June 2017*