

Cesar Fuentes

214.789.0012 | Dallas, TX 75227 | fuentesivancesar@gmail.com

EDUCATION

Texas A&M University, College of Engineering

College Station, TX

Bachelor of Science in Computer Science, Summa Cum Laude - (GPA: 3.916)

May 2023

Honors/Awards: Dean's Honor (2020-22), President's Volunteer Service Award (2022, Bronze)

Relevant Coursework: Data Structures & Algorithms, Discrete Structures for Computing, Computer Organization, Programming Languages, Intro to Computer Systems, Programming Studio, Design & Analysis of Algorithms, Software Engineering, Computer Graphics, Computer Animation, Artificial Intelligence, Database Systems, Operating Systems, Senior Capstone Design

WORK EXPERIENCE

Publicis Sapient

Houston, TX

Software Engineering Intern

June 2022 – Aug 2022

- Fully participated in a 5-week training program focused on the fundamentals of software development engineering.
- Completed a mock integrated client project designed around the client's challenges.
- Collaborated with engineering and product management interns to develop a digital, full-stack solution for a client.

PROJECTS

Spotify Game Room

Dallas, TX

Full Stack Web Application

June 2023

- Created RESTful API endpoints in Node.js backend to provide Spotify data to the React.js frontend application.
- Made HTTP requests from React.js to Node.js
- Deployed app to the web using heroku (networkIO, (spotifygameroom.com))

Space Simulation

College Station, TX

Video Game Engine

Dec 2022

- Created a 3D OpenGL video game engine in C++ that simulates the physical movement of particles in space.
- Implemented collision detection, cube mapping, control inputs, and a heads-up display.
- Followed OOP design of organizing software by identifying classes.

Person Website

Dallas, TX

Frontend Web Application

??? ????

- ...

LEADERSHIP

TAMU UNICEF

College Station, TX

President

Sep 2019 - May 2023

- Established the club's overall objectives, mission statement, and value system.
- Planned and led club meetings and discussions on humanitarian issues.
- Delegated tasks to the officer team, ensured they understood their responsibilities and motivated them to succeed.
- Organized fundraising events to raise money for UNICEF, including Bake Sales, Car Washes, and Candy Sales.
- Volunteered weekly at local food banks and tutored at elementary schools.

SKILLS

Web Development Languages

- JavaScript [*Node & Express, React, Angular*] (1 year)

Relational Database Technologies

- MySQL

Non Relational Database Technologies

- *MongoDB*

Programming Languages

- C++ (3 Years)
- Python, HTML, JavaScript, CSS, PHP, C, Java, Ruby, Swift

Open Source Tools:

- XAMPP

<ul style="list-style-type: none"> • Cassandra Cloud Platforms <ul style="list-style-type: none"> • DevOps Tools <ul style="list-style-type: none"> • Docker (2 years) • Heroku • Git [<i>Github</i>] () Agile Tools <ul style="list-style-type: none"> • Jira Node.js Express RESTful API	Languages: Spanish (Native), Chinese (Intermediate) API: OpenGL, Unity Certifications: Full Stack Fundamentals, Optimization with Python
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JOBS

- ☐ Personal Website
 - ☐ angular
- ☐ Spotify Web App
 - ☐ react

<https://careers.skillstorm.com/jobs/entry-level-software-engineer-41538?keywords=&location=&originalsource=Indeed.com>

NOW

- ☐ [Presidio Associate Engineer](#)
- ☐ [SysAr.ch | PHP Developer](#)
- ☐ [Silverback Strategies | Junior Developer](#)
- ☐ [I28 Technologies Corporation | Entry Level Front End Developer](#)

Tutorria;ls

<https://plainenglish.io/blog/create-a-full-stack-web-app-using-react-and-node-js#step-4-make-the-http-requests-from-react-to-node>

MySQL

MongoDB

- ☒ ~~Experience with back end development~~
- ☐ and open source technologies such as Jersey framework, Spring framework, etc.
- ☒ ~~Experience in relational databases such as Postgres, MySQL, Oracle, etc.~~
- ☐ NoSQL DB technologies such as Couchbase, Elasticsearch, MongoDB, Cassandra, etc.
- ☐ Experience in building applications with any cloud platforms.
- ☒ ~~Agile tools such as JIRA~~
- ☒ ~~& DevOps tools such as Gradle, Docker, Git, etc.~~
- ☒ ~~Hands-on programming experience with web development in any of the following languages: Python, Go, Java, JavaScript (Node, Angular, React).~~

- ☒ Excellent verbal and written communication skills.

https://www.glassdoor.com/partner/jobListing.htm?pos=101&ao=1136043&s=58&guid=000001886d99638d924c410ad8c9b0e7&src=GD_JOB_AD&t=SR&vt=w&ea=1&cs=1_99e84341&cb=1685465949402&jobListingId=1008669464752&jrtk=3-0-1h1mpiouak24u801-1h1mpioutiif800-92882bc27bde3b90-

Optii Engine

Houston, TX

Optimization Engine Interface

July 2022

- Created a UI that allows users to select an optimization LP model, perform what-if analysis, and visualize the results.
- Collaborated with fellow interns and client partners to analyze and resolve technical and application problems
- Engaged in the Agile approach, including daily stand-up meetings and sprint phases.

BACKLOG

PROJECTS (SE)

RemindMe

Mobile Application

Dallas, TX

July 2023

- ...

Personal Website

Web Application [cesarfuentes.com]

Dallas, TX

May 2023

- ...

MATLAB UNREAL Engine Simulation with ROS2 Interface

Web Application

College Station, TX

May 2023

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PROJECTS (GD)

- Video Game (Unity)

WORK EXPERIENCE

J. Crew Factory

Sales Associate (Seasonal)

Dallas, TX

June 2021 – Aug 2021

- Collaborated with team members and managers to drive the business, jump in on tasks that help create a seamless customer experience, and bring a collaborative, kind, and inclusive energy to the sales floor.

INCOMPLETE PROJECTS

- Full Stack Web Application to send bulk text messages to student organizations (April 2022).
- Full Stack Web Application using Spotify API to create custom playlists (Aug 2021).
- iOS mobile application to remind people when to replace household items (Dec 2020).

SKILLS

Cloud-Based Technologies: cloud: Microsoft Azure tech: Azure DevOps, (MongoDB), (AWS), (Kubernetes), (Jenkins), (PowerBI), (React), (C#), MongoDB

Applications: Microsoft Suite (Word, Excel Powerpoint, Outlook)	Technologies: ...
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CONTACTS

- Marianne Gallini, Talent Acquisition Associate, 8329736806, marianne.gallini@publicissapient.com
- Darcey Eads, Retail Store Director, 4692324569

TODO

- ☐ Organize GitHub

- ☐ Fix LinkedIn
- ☐ Add LinkedIn
- ☐ Add Website
- ☐ Fix UNICEF Description - [UC20_LeadingYourClub.pdf \(unicefusa.org\)](#)

Publicis Sapient Requirements

Object Oriented Language: Javascript/Typescript (Preferred), Python, Golang, Java, C++

Backend Technologies: RESTful APIs, GraphQL, Federated GraphQL, Docker, K8S, Git, Github

SQL Database Technologies: MySQL

SQL Database Technologies: MongoDB or AWS DynamoDB


Cloud Provider: AWS, Azure, GCP, Oracle Cloud

1+ year of experience working in a production environment

Experience writing internal documentation and system flows charts

- Angular, Typescript, Java - Python, Docker, Elastic, JQuery, Bootstrap. Jira - Jenkins, Developing microservices using the Spring framework, Demonstrated use of IDEs and configuration management (Got, bitbucket), Agile software development environment

Technology	Proficiency	Skills
C++	High	Multi-threading, IPC, memory management, ADT's, algorithms, and OOP
Java	Medium	Thread synchronization, ADT's, and OOP
Spring Boot	Medium	API development and Cassandra integration
Python	Medium	NumPy and OOP
Flask	Low	
JavaScript	Medium	Asynchronous programming, OOP, and Node JS
React / Redux	Medium	Material UI
HTML / CSS	High	
PostgreSQL	Low	
Cassandra	Low	
Jenkins	Low	
Git	Medium	
Haskell	Low	ADT's
ARMv8 Assembly	Low	CPU design
Lua	Low	
MATLAB	Low	
Verilog	Low	



JACKSON HAGOOD

Computer Engineering Student & Future Software Engineer

Profile

Senior Engineering student at Texas A&M University with a 4.0 GPA. Worked as Software Engineering Intern at JPMorgan Chase in Summer 2022. Currently work as a teaching assistant in the CSE department at Texas A&M. Will be returning to JPMorgan Chase next Summer as a Software Engineer (SEP) in Plano, TX.

Education

BS Texas A&M University 8/2019—Present

- Bachelor of Science in Computer Engineering (Computer Science track, CECN)
- Minor in Mathematics
- 4.0 GPA, 116 hours completed (senior classification)
- Dean's Honor Roll
- Member of Tau Beta Pi (Texas Delta Chapter)
- Expected graduation May 2023

Work Experience

Software Engineering Intern at JPMorgan Chase 6/2021—8/2021

- Worked as full-stack software engineer on a project to be deployed into production
- JavaScript React / Redux front-end
- Java Spring Boot back-end
- Cassandra database
- Deployment with Jenkins
- Agile development with Jira and Bitbucket

Undergraduate Teaching Assistant for CSCE 121 9/2021—Present

- In charge of leading weekly lab sections
- Hold frequent office hours to assist students with lab exercises and homework
- Help formulate course materials including exam questions
- Grading responsibilities
- CSCE 121 covers object-oriented programming, dynamic memory, debugging, algorithms, and software development

Code Sensei at Code Ninjas 6/2018—12/2021

- Worked at Code Ninjas The Woodlands and Code Ninjas Magnolia
- Primarily instructive and tutoring work with students aged 7—16 in JavaScript, Python, and C#
- Served in a lead role which included advising other locations and training new Senseis
- Developed documentation for JavaScript curriculum used at several locations across the United States
- Designed and implemented a introduction to Python camp

Programming

C++

- Experience with OOP, algorithms, abstract data types, and computer systems
- Teaching experience as CSE TA

Java

- Experience with OOP, abstract data types, and multi-threading
- Spring Boot** API development

JavaScript

- Asynchronous programming, OOP, and **Node JS**
- React JS / Redux JS**
- HTML / CSS**

Python

- Experience with OOP and mathematical modeling (**NumPy**)
- Flask** full stack development
- Code Ninjas camp development

Other Technologies

- Cassandra**
- PostgreSQL**
- Haskell**
- ARM Assembly**
- Lua**
- MATLAB**
- Git**
- Jenkins**
- Jira / Bitbucket**

Skills

Electrical Engineering

- Circuit design and analysis
- Signals and systems
- Verilog**
- SPICE** and **Multisim**

Mathematics

- Cryptography
- Calculus / differential equations
- Linear algebra and applied math
- Discrete math

3D Modeling & CAD

- Blender, Maya, 3DS Max, and AutoCAD**

College Station, TX

www.jacksonhagood.com

github.com/JacksonHagood