

VISHAL DEVIREDDY

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EDUCATION

University of Washington, Seattle

M.S. 2022, B.S. 2021

Major: Computer Science

GPA: 3.98

Courses: Software Design, Systems, OS, Databases, Algorithms, Computer Vision, HCI, Data Visualization

EXPERIENCE

Benchling

June 2022 - September 2022

Software Development Intern

San Francisco, CA

- Visualized the chemical structure of oligonucleotides to help biochemists design modified DNA/RNA.
- Worked on a full-stack project using React, Python, GraphQL, and SQLAlchemy.

Amazon (AWS)

June 2021 - September 2021

Software Development Intern

Seattle, WA

- Added a real-time manual transcription feature to the Amazon Chime meeting API using Go and TypeScript.
- Enabled Chime SDK clients to correct a meeting's live captions generated through Amazon Transcribe.
- Created a demo meeting webapp that showcases the live captioning feature using the Chime SDK.

Apple

June 2020 - September 2020

Front-end Development Intern

Cupertino, CA

- Created interactive and engaging animations using JavaScript, CSS, and canvas on apple.com/ipad-air with more than 30 million views worldwide.
- Worked with designers to develop an efficient, accessible, responsive, and localizable web page.
- Built a web accessibility library to enable screen reader support for complex web animations.

T-Mobile

July 2019 - August 2019

Software Engineering Intern

Bellevue, WA

- Created a search API for support articles with TypeScript and Elasticsearch. Used by call center reps with more than 3 million unique searches per month.
- Deployed the API as a microservice architecture to AWS and gained experience in distributed computing.
- Improved search engine speed and result relevance while reducing AWS hosting costs.

PROJECTS

Paint In!: Online collaborative painting game

Online game where players work together to draw a picture with a limited color palette. Built with Azure, Node.js, Express, and socket.io. Won the DubHacks 2020 hackathon among 180 projects. Team project.

CEV-1: Tetris-like resource management web game

Single-player web game with over 10,000 plays. Team project. <https://sirknightj.itch.io/cev-1>

Complete list of projects on my website: vishald.com/projects.

TECHNICAL SKILLS

Software Engineering Programming Languages Systems

Full-stack development, API design, machine learning, computer vision
Python, Java, JavaScript, React, Node.js, SQL, HTML/SCSS, C, C++
AWS, Azure, Firebase, UNIX/Linux, Git, Raspberry Pi, Arduino