

SAHAS CHITLANGE

chitlangesahas@gmail.com | +1-602-456-1814 | GitHub: ChitlangeSahas | [linkedin.com/in/chitlangesahas/](https://www.linkedin.com/in/chitlangesahas/) | chitlangesahas.github.io

SUMMARY

A Software Engineer fascinated by the intersections of technology and user-centered design. Experienced in developing software projects lined up for launch and in creating core level software for InfluxDB, an open-source database.

EDUCATION

Bachelor of Science, Computer Science (Minor in Design Studies)
Arizona State University

Aug 2017 - May 2021
GPA: 3.77 / 4.0

EXPERIENCE

Web Developer, Herberger Design School ASU (herbergerinstitute.asu.edu)

Aug 2020 - Present

- Built 30+ new web pages using HTML, CSS, JavaScript, & applied UI principles when conceptualizing front end designs.
- Reduced the bounce off rates on webpages by up to 13.6% according to data from internal analytics tools.

Software Engineering Intern, InfluxData

Jun 2020 - Aug 2020

- Improved open source Flux query language features by adding date handling support for its packages.
- Lowered the total development time for end-users by about 40% by redesigning the query language syntax into a more user-friendly one and implementing a full recursive parser in Rust and GoLang.
- Helped full-time engineers at InfluxData track their git commit status in the Circle CI pipelines easily by building an interactive SlackBot using Circle CI API, Slack APIs, and Go.

Instructor, Makerspace

Apr 2018 - May 2020

- Taught one on one programming classes in C++ and Python to over 50 students, 1.5 - 2-hour session every 2 weeks.
- Helped students and faculty with prototyping projects using tools like laser cutters and 3D printers.

Author, Autodesk Instructables (bit.ly/sahas-instructables)

Aug 2017 - Oct 2019

- Published 20 instructional tutorials for technical and non-technical projects like E-Skateboards, GPS Shoe, and Biogas.
- Got featured on their homepage over 10 times and my projects were viewed over 1.4 Million times.
- Won 9 awards for my projects in multiple contests, including one Grand Prize and four First Prizes.

PROJECTS

LinkedIn Job Tracker Chrome Extension

- Built and deployed Chrome extension & Web Application using HTML, CSS, Javascript for tracking job applications.
- Implemented backend routes connecting Web App to the extension, implemented database schema in Firebase.
- Chrome Extension, estimated to be published to the Chrome Store in Early 2021.
- Followed responsive design principles and currently testing the product on this job search.

One App - The Messaging App

- Built an iOS messaging app for romantic relationships, the feature - only one person can be added as a recipient.
- Conceptualized front end designs in XCode StoryBoard and implemented the app using SwiftUI and MVC architecture.
- Implemented real-time chat features using Google Firebase and date restaurant suggestions using Google Places API.

Self balancing One-Wheel Rider

- Built a self-balancing one wheel from scratch, this wheel can be ridden like a Segway scooter.
- Implemented PID algorithm, Kalman Filter algorithm in C and C++ & a mobile app that connects to the wheel [wifi].
- Raised \$1500 in project funding by participating in open pitch events and other entrepreneurial grants.

SKILLS

Programming Languages: Java, GoLang, Rust, Python, C, C++, C#, JavaScript

Databases: SQL, MongoDB, Firestore, Firebase, No-SQL InfluxDB

Web technologies: React, Angular, Vue, HTML, CSS, TypeScript, REST APIs, Node.js

App Development: XCode, Cocoa, Objective-C, OS X, Android using Java

COURSEWORK

- CSE 310 Data Structures and Algorithms, CSE 477 Computer Graphics, CSE 335 Mobile App Development.
- CSE 463 Human Computer Interaction, IND 494 UI/UX Principles, IEE 380 Statistics for Engineers.

CO-CURRICULAR ACTIVITIES

- Love Rock climbing, can top rope a 5.10 + route and boulder a V2 route indoors and outdoors.
- Enjoy producing videos about projects and other infotainment things, on YouTube, link: bit.ly/sahas-youtube.
- Published projects on Instructables.com, garnered 1.4 Million views, and won 9 awards. link: bit.ly/sahas-instructables.
- 3 times ASU Devils Invent hackathon, first prize winner.