

# Timothy Hradil

## CONTACT ME AT

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 www.timhradil.com

 @timhradil

 @timhradil

## SOFT SKILLS

●●●● Technical Communication

●●●● Growth Mindset

●●●● Creativity

●●●● Emotional Intelligence

## TECHNICAL SKILLS

●●●● C#

●●●● C++

●●●● TypeScript

●●●● Python

●●●● Github

●●●● AWS

●●●● Linux

●●●● Java

●●●● React

## INTERESTS

 Technology

 Soccer

 Music

 Reading

## EDUCATION

Santa Clara University, Santa Clara, CA

M.S. in Engineering Management and Leadership | Exp. Jun 2024

- GPA: 3.93/4.0.

B.S. in Computer Science and Engineering | Jun 2023

- GPA: 3.87/4.0.
- Tau Beta Pi Honors Society.

## WORK EXPERIENCE

SlideNotes, Santa Clara, CA

Cofounder | Jan 2023 - Present

- Grew total users to 700+ and paid users to 40+ through SEO and organic marketing.
- Designed full stack app using AWS SAM CLI to turn .pptx presentations into written notes.
- Employed OpenAI Python API Wrapper to utilize GPT-3 for AI text generation and summarization.

SpaceX, Redmond, WA

RF Silicon Engineering Intern | Jun 2023 - September 2023

- Built 7 servers and 2 clients in C++ for cross compilation to ARM32 on CentOS using CMake.
- Wrote 5 clients in C# using dependency injection for loose coupling and future upgradability.
- Applied Grpc to build 5 APIs (I2C, SPI, etc.) between lab computer and dev board to run an automated RFIC Silicon testing suite.

Amazon, Virtual

Software Development Engineer Intern | Jun 2022 - Sep 2022

- Architected a full stack CMS solution for content on the Amazon Relay platform.
- Leveraged React.js and Typescript to build a dynamic and intuitive front end user experience.
- Utilized a Sprint Boot MVC with AWS services including Lambda, DynamoDB, and IAM as a backend.

humanID, Virtual

Tech Lead | Aug 2021 - Mar 2022

- Directed a team of 15+ developers utilizing effective delegation and collaboration techniques.
- Groomed backlog by measuring impact and cost to choose the most valuable projects for each sprint.
- Spearheaded tech team vision to consistently align with key performance indicators and company values.

Software Developer Intern | Feb 2021 - Aug 2021

- Cooperated with product managers in 3 week-long sprints to maximize performance.
- Wrote clear and concise documentation for 2 tools to empower collaboration through GitHub.
- Developed front end user interface elements from a spec sheet utilizing HTML, CSS, and JavaScript.

Dakota Systems Inc., Chicago, IL

Software Developer Intern | Jun 2018 - Sep 2018

- Designed new product elements using AWS Rekognition and Instagram API.
- Authored highly maintainable code in python for an AWS system.
- Compiled data from 5 Instagram Accounts for statistical analysis in Python.

## PROJECTS

jokeGPT

- Assembled a full stack application with React frontend and AWS backend to create and jokes using GPT-3 API.

Chat With Me

- Constructed a ChatGPT-like interface in React and backend using GPT-3 API to create a chatbot as an interactive resume.

Simple Time Tracker

- Developed a simple time tracker that lives in the Mac menu bar using Swift UI.

SCU Food Review App

- Architected a backend with AWS SQS, DynamoDB, Lambda, and API gateway to review food at SCU.

SCU Mental Health Conect

- Built a CRUD app using SAM CLI to connect SCU students with mental health resources through a text chatbot.

Risky Roads

- Created a backend in Flask and frontend in Swift to dynamically create a risk score given a route with 4 team members.

Personal Website

- Fabricated personal website, using HTML and CSS, built to hold projects and blogs both personal and professional.

OpenCV Mask Detection

- Trained a machine learning model using OpenCV to detect a person wearing a face mask on a webcam.

Blackjack Machine Learning

- Designed reinforcement learning algorithm in pure Java to teach a computer to play Blackjack with 113% growth.

## ACHIEVEMENTS

2023 ACM Winter Challenge

- Architected and built a SAAS solution for turning presentations into notes using OpenAI ChatGPT API.

2022 Hack for Humanity Interdisciplinary Award

- Created a Flutter App with Flask and Redis backend to score colleges on mental health resources with a team of 5.

2021 ACM Winter Challenge

- Composed computer vision program using OpenCV in python to detect whether a user is wearing a mask or not.