

JACOB FRESE

+1(831) 238-3572 ◇ Chico, CA

jake.r.frese@gmail.com ◇ [linkedin.com/company/in/fresej/](https://www.linkedin.com/company/in/fresej/) ◇ <https://jacobfrese.github.io/>

EDUCATION

B.S. Computer Science , CSU Chico	Expected 2022
Computer Science for Transfer , Clovis Community College	End 2019
Computer Science for Transfer , Monterey Peninsula College	End 2018

SKILLS

Languages Java, C++, Python, JavaScript, Oracle SQL, Hadoop, Pig

PROJECTS

Network Tester and Deauthenticator

C++

- Programmed an ESP8266 microprocessor to deauthenticate devices on wireless networks.
- Exploit vulnerability in 802.11 wireless networks.
- Scanned for WiFi devices and created dozens of spoof networks.

WebPage Auto Fill Script

Ruby, Selenium, Chrome WebDriver

- Wrote a script to open a new instance of chrome, navigate to a specific webpage, and auto fill information into the required fields.
- Used Chrome Webdriver to open a new instance of chrome and navigate to desired webpage.

Ceramic Glaze Calculator

JavaScript, HTML, CSS

- Built a web application that calculates and generates a ceramic glaze recipe, with final volume, based on a single ingredient.
- Application was deployed for use by professional potters.

Data Analysis on CSV files

Oracle DB, AWS

- Built a Database to relate large CSV files to answer meaningful queries.
- Hosted Oracle DB on AWS EC2 and Ubuntu.
- Related drunk driving accidents to number of alcohol induced deaths for each state.

EXPERIENCE

Website Manager

Justin's Makery

Jun 2018 - Dec 2019

Clovis, CA

- Built website <https://www.justinsmakery.com/>
- Ran ad campaigns which led to more company revenue.
- Managed all E-commerce sales and inquiries.

EXTRA-CURRICULAR ACTIVITIES

- IEEE club.
- Valley DevFest 2019.