

Martin Petrov

Address: 513 E Street, Davis CA | **Phone:** (310)-916-3283 | **Email:** martinpetrov1@gmail.com

LinkedIn: [linkedin.com/in/mlpetrov](https://www.linkedin.com/in/mlpetrov) | **GitHub:** github.com/martinpetrov1096 | **Website:** www.martin-petrov.com

PROFESSIONAL EXPERIENCE

STX ENTERTAINMENT

Burbank, CA

Virtual Reality Intern

June 2018 – August 2018

- Designed an application and custom camera setup that would allow directors to view the virtual reality content they were producing in real time

PROJECTS

WHAT-TO-WATCH

Jan 2021 – Jan 2021

Website: whattowatch.martin-petrov.com | **GitHub:** github.com/martinpetrov1096/WhatToWatch

- Developed a web app that gives movie/tv show suggestions to its users, and lets them vote with their friends as a group to decide what to watch
- Designed, developed and tested a backend using web sockets and NodeJS.
- Prototyped and implemented an aesthetic and responsive frontend using Figma and React.

SECURE PASSWORD MANAGER

April 2020 – October 2020

GitHub: github.com/secret-passwordmanager

- Oversaw the development of a unique password management system that allows users to securely enter their credentials from a computer, regardless of any malware on it
- Developed a microservice architecture backend consisting of a handful of services written in .NET Core and Node JS
- Used Docker Compose to containerize and synchronize all microservices to allow other developers to run the backend with 1 command
- Set up scheduled API endpoint testing using Postman to help find bugs
- Created a browser extension to communicate with our backend using vanilla JS
- Worked with others on the React Native app
- Documented all API endpoints for the backend
- Contributed over 10,000 lines of code

HOMEWORK HELP WEB SCRAPER

December 2019 – December 2019

Website: chegg.martin-petrov.com | **GitHub:** github.com/martinpetrov1096/CheggScraperCore

- Built a web app that allows users to find solutions to homework or practice problems that are hidden behind the paywalls of Chegg.com
- Used .NET Core to create a backend that can scrape Chegg.com in real time and return the solutions to the client

HOME SERVER

September 2017 – Current

GitHub: github.com/martinpetrov1096/ServerConfig

- Maintain a personal server running Ubuntu Server 20.04 LTS
- Configured a small raid-z volume to store all critical data
- Set up Nginx and multiple Docker virtual networks to be able to properly reroute requests made for certain subdomains to their proper containers
- Used to host all personal projects, as well as around a dozen other popular open-source services

PROGRAMMING SKILLS

JavaScript, Typescript, HTML, CSS, NodeJS, React, VueJS, Git, Linux, Docker, , C/C++/C#, .NET Core, jQuery, Golang

EDUCATION

University of California, Davis

September 2016 – December 2020

Bachelor of Science in Computer Science, Minor in Technology Management

- Cumulative GPA: 3.3/4.0

Address: 513 E Street, Davis, CA, 95616 **Phone:** (310)-916-3283 **Email:** martinpetrov1@gmail.com

- Upper Division GPA: 3.5/4.0