

NICHOLAS PAPPAS

Email: NickHTPappas@gmail.com | **Location:** Los Angeles, CA | **Phone:** (818)-209-5590
Website: nickhtpappas.com **GitHub:** github.com/VisionsOfDrifting **Linkedin:** linkedin.com/in/nicholas-pappas-044189130

EDUCATION: **Bachelor of Science, Computer Science** **Cumulative GPA: 3.4** **June 2016 – March 2018**
University of California, Santa Cruz
Associate of Science, Mathematics **September 2013 – June 2016**
Glendale Community College

RELEVANT CLASSES: Web Applications Database Systems
Introduction to Software Engineering Analysis of Algorithms Algorithms and Abstract Data Types
Probability and Statistics for Engineers Advanced Programing (C++) Advanced Programing (Java)

TECH SKILLS: Languages: JavaScript, PHP, HTML, CSS, SQL, NoSQL, Python, Bash, C, C++, Java
Frameworks/ Libraries: Node.js, Express, React, Redux, Bootstrap
Operating Systems: LINUX, Windows, UNIX, Android, Mac
Technologies: Git, Docker, AWS, Google Cloud, Apache, WordPress

PROJECTS:

Mock LinkedIn

- Designed a and implemented a CRUD web application with Node, Express, MongoDB, React, Redux, and Bootstrap..
- Created a backend API with Node and Express to handle page and database requests..
- Made a fronted application with React, Redux, and Bootstrap that allows users to create profiles and create posts.

IdeaStore

- Designed a CRUD web application with Node, Express, MongoDB, Handlebars.js, and Materialize CSS.
- Implemented a backend API as well as a frontend application to connect to it.

Made a financial web application

- Worked with a team while adhering to SCRUM practices, i.e. daily meetings, sprints, burnup chart, peer review.
- Designed the “Graph” page on the website using HTML, PHP with MySQL, and Javascript to display user data.

Implemented system calls in the PINTOS operating system kernel in C

- Wrote proper multithreaded code to ensure synchronicity within parent and child processes for system calls.
- At the OS level tokenized input line into argc and argv. Set up the stack pointers to properly handle argument passing.
- At the OS level created a basic file system capable of creating, reading, writing, and closing files.

Wrote a compiler in C++

- Created a tokenizer, wrote rules for Flex scanner, wrote grammar for Bison parser to generate an abstract syntax tree.
- Made a symbol table to type check and analyze basic blocks; generated object intermediate language code.

Designed a financial application in Java

- Implemented a mock bank account to track user transactions.
- Using Java GUI libraries created a user interface with save/load features for user profiles.

EMPLOYMENT:

Glendale Community College – Math Tutor

Jan 2014 – June 2016

- Helped students solve math problems ranging from Geometry to Algebra II and utilize course software.

LEADERSHIP:

Eagle Scout – Troop 288

- Managed and coordinated a group service project. Gained leadership qualities, learned self discipline.