

Alexander (Alec) Nicholas West

Home Address

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Contact Info

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Personal Website

<http://alecnwest.paperplane.io>

Objectives/Goals

Pursue a career in software development for June 2019

Education

Tennessee Technological University—Computer Science Major 3.96 GPA August 2015–May 2019

Classes Taken: Operating Systems, Artificial Intelligence, Intro Assembly, Networks,
Database Management and Design, Design of Algorithms,
Calc II, Ethics and Professionalism in Computing, Intro/Prob & Stats

Work Experience

JWAC Premier College Internship Program (PCIP) Intern Summer 2018

Built a full-stack Android app for capture and storage of data by using an algorithmic approach and improved UI, leading to more data collected in less time

Introduced basic Agile methodology to a team of engineers, resulting in a more fluid and well-informed team throughout the duration of the project

PELIcan Compass Research Project (~10 hours / week) January 2017–Present

Contributed to back-end of recommendation system in Ruby on Rails

Provided team with initial DevOps tools to help support unit testing expectations

Adtran Co-Op (~40 hours / week) Fall 2016, Summer 2017, Spring 2018

Wrote Python scripts to quickly verify traffic simulations through DPU systems.

Contributed to the adoption of Debian tooling for Mosaic OS with Python while supporting existing systems in C/C++

Developed full-stack Mosaic Cloud Platform components with Angular, Scala, and Python

Significantly reduced existing test times by defining a custom HTTP mocking library in Python

Major Projects

IRC bot “dad bot”

Personal, independent project written in JavaScript and later improved in Golang

Created bot that gives dad-like responses to IRC messages

Objective was to get familiar with different languages and apply cleaner coding practices

Wumpus world text game

School project in C++ and later personal project rewritten in Kotlin

C++ agent implementation received highest score among classmates

Personal project objective was to apply better architectural design to the game

Other projects listed on GitHub – <https://github.com/alecwest>

Skills/Strengths

Strongest languages/software: Python, Java/Kotlin, Golang

Proficient languages/software: C/C++, Angular/Typescript, SQL, Ruby/Rails, AWS, Shell scripting

Prior experience: PHP, Octave, LISP, and z/OS

Learned Dvorak keyboard layout

Honors/Extracurriculars

Certified SAFe 4 Practitioner

Spring 2018

IBM Master the Mainframe 2017 Real World Challenge Completion Badge

Fall 2017

CrimsonHacks hackathon participant – <https://devpost.com/software/financial-voice>

Spring 2018

TTU Association of Computing Machinery (ACM)

2015–Present

String Theory Youth Initiative – Quartet member & web designer

2014–2015