

# David Gasper

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## Objective

Driven software engineer. Seeking a position where I can utilize my experience from four software engineering internships, part-time software work, a hackathon, and freelance development. Looking for a place where I can bring my passion for solving difficult problems, writing quality software, and artificial intelligence.

## Professional Experience – Three years of professional and semi-professional software development.

- *Software Engineer – Intern – Seeq Corporation* June – December 2022
  - Developed a load testing application using Java and Jest for software quality auditing.
  - Determined the required functionality for the performance test through investigation before implementing critical features for the team required testing performance of the existing application in various states of load).
  - Worked as a member of a professional development team that followed Agile and Scrum development practices and gained experience with pair programming.
  - Implemented UI style changes with the development team using CSS and SASS.
- *Software Developer – Hackathon – Lookup.Live* November 2020 – March 2022
  - Developed a full-stack React Native mobile application prototype with a UI designer and two software developers on a hackathon- and grant-winning team.
  - Used SQL database and AWS cloud native resources to develop mobile app backend.
  - Awarded for the probability of the mobile app solution to improve youth mental health.
  - Continued development of the prototype for over a year following the hackathon.
  - Collaborated with UI designer using Figma to implement the mobile app design.
- *Software Engineer – Intern – SAIF Corporation* March – September 2021
  - Developed a full-stack application using React, .NET Core, and SQL.
  - The team required a customizable application to access development resources. Built an app while working with the team in Scrum fashion.
  - Maintained existing software written in Gosu with Agile team. Led a sprint that included sprint planning and communicating with business partners.
- *Software Engineer – Intern – Apex Clearing Corporation* June – September 2020
  - Built a performance testing API using Java and stored results in MongoDB database.
  - Designed Java-based tests for the API and used Postman to validate the tests.
  - Delivered a company-wide presentation on the project.
- *Android Engineer – Freelance* July 2019 – June 2020
  - Client needed an Android running pacing application to provide better functionality than current pacing apps. Developed app from the ground up including all aspects of engineering, user interface construction, and deployment on Google Play store.
- *DevOps Engineer – Part-Time – OSU Open Source Lab* January 2019 – February 2020
  - Developed Inspec unit test for Postfix. Feature added to Inspec public Github repository.
  - Developed bash scripts, configured and maintained Linux web servers for open source organizations including Apache Foundation and Gentoo Linux.
  - Used Git command line and UNIX shell regularly.

## Technical Skills and Knowledge

- AI Tools:
  - Pytorch
  - Tensorflow
- Programming Languages:
  - Java
  - Python
  - Javascript
  - C
  - C++
  - C#
  - XML
  - Gosu
  - Haskell
- Development Practices:
  - Agile
  - Scrum
- Frontend Development Frameworks:
  - React
  - React Native
- Middleware Development Frameworks:
  - Node.JS
  - .NET Core
- Testing Frameworks:
  - Jest
- Stylesheet Frameworks:
  - CSS
  - SASS
- Database Frameworks:
  - SQL
  - MongoDB
- Version Control Systems:
  - Git
  - Git command line
- UI Design Tools:
  - Figma

## Education

- *Oregon State University* – Graduation Date: December 2023
  - Majoring in Applied Computer Science: Artificial Intelligence focus, Honors College
  - Final GPA: 3.75, Magna Cum Laude
  - Relevant OSU Computer Science courses: Machine Learning, AI & Data Mining, Intro to Parallel Programming, Cloud Application Development, Mobile Software Development
- *OSU School of Psychological Science* – Partnered with school in researching mechanisms of attention of social media using custom-built full-stack React application.

## Awards, Honors, and Activities

- *OSU Running Club*: former president and current member; always motivated to improve myself physically and mentally.
- *Language Study*: Student of intensive Japanese language program at Waseda University in Tokyo, Japan; lived with Japanese speaking host family for over five months; striving for language proficiency.
- *LookUp Leadership Lab*: participated in a community of individuals who are passionate about leading social change, particularly regarding social media ethics and relationships between people and technology.
- *Dilemma Competition*: joined grant-winning team and prototyped a React Native mobile application addressing systemic information and mental health crises related to social media.
- *Boy Scouts of America*: awarded Eagle Scout rank in 2016; managed creation of park trail for Eagle project; served in multiple troop leadership roles; contributed over 100 volunteer hours.