

# Adam Atbi

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Proactive Software Engineer with hands-on development experience, specializing in Python and Java. Demonstrated ability to enhance software reliability and quality.

## Education

### BSc. Computer Science – Software Systems

May 2020 - April 2024

*Simon Fraser University*

## Work Experience

### QA Software Engineer Intern

January - August 2023

*Calabrio, Vancouver BC*

- Authored automated tests using Selenium and Postman, increasing test coverage and identifying bugs before production releases.
- Created Jenkins testing pipeline to automate resource allocation and testing of upcoming production releases.

### Development Intern

June - September 2021

*Guidance Analytics, New York NY*

- Developed pipeline using pandas library to parse structured insurance billing data and derive quality measure compliance values.
- Created a system to submit CMS quality data to the American College of Radiology

## Projects

### Skyyeye - Creator

Optical Localization for Autonomous UAVs in GPS-Denied Environments

- Allowed for purely optical UAV localization down to an accuracy of single meters.
- Able to identify its location in a search area exceeding 210 square kilometers and encompassing nearly 100,000 buildings.

### Hachess - Creator

- Developed Python library to create, compete, and analyze chess-playing agents.
- Created multiple chess agents using minimax tree search with heuristic evaluation functions.

### Dolthub Data Bounties - Participant

Competition to source, scrape, process, and submit datasets from across the web.

- Utilized numerous Python libraries such as Requests and Selenium for web scraping, BeautifulSoup for HTML parsing, and Pandas for data processing.
- Sourced data from dozens of organizations winning \$13,000 over 9 competitions.

## Skills

### Languages:

Strong:

- Python

Familiar:

- Java, C++

### Development:

- Git, Docker
- Agile Development
- CI/CD

### Tools:

- Jenkins, Postman
- Pandas, Numpy
- Requests, Selenium