

AUSTIN STOCKWELL

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SKILLS Python, C#, C++, SQL, HTML5, CSS3, XML, git
Django, SQLAlchemy, Tkinter, RESTful APIs, HTTP, TCP/IP, MySQL, Artifactory, Jira

EDUCATION

Purdue University 2014 - 2017
B.S. Computer Engineering Technology

CERTIFICATIONS

Federal Aviation Administration 2018 - 2019
• Commercial Pilot Certificates (MEL & SEL) • Certified Flight Instructor Certificate (SEL)

PROFESSIONAL EXPERIENCE

Software Engineer 2021 - Present

Boeing

- Develop and maintain individual flight test simulation models while integrating components into a fully functional software simulation framework
- Continuously modernize development toolchains in the drive towards continuous integration, containerization, and cloud computing
- Actively improve developer documentation and maintenance of architectures, requirements, interfaces, and designs for a variety of flight test simulation software systems and teams

Pilot — First Officer 2020

Grand Canyon Scenic Airlines

- Operate DHC6 - DeHavilland Twin Otter under CFR Part 135 Regulations
- Ensure the safe and efficient operation of aircraft

Test Engineer 2017 - 2018

Precise Path Robotics

- Reduced engineering troubleshooting time by over 25% while acting as a liaison between engineering team and customers to improve product design
- Spearheaded service of autonomous robots in the field while gathering data and providing analysis on system faults — reducing downtime by 50%

PROJECTS

Financial Database / Automated Trading System | Python, MySQL, HTML, CSS

Automated cryptocurrency trading bot & financial analysis tool

- Wrote custom Python modules to retrieve JSON market data using Binance REST API
- Design and interact with MySQL database using SQLAlchemy and Object-Relational Mapping
- Visualized data on front-end web application running Flask framework on a Raspberry Pi server