

# Aidan Courtney

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Location: Long Island, New York, USA

Software Engineer with 5+ years of Python development experience, proficient in backend technologies and passionate about automating processes. Seeking a challenging role where I can leverage my technical skills and problem-solving abilities to deliver impactful solutions.

<b>Projects</b>	<b>Ramp It Up</b>	Desktop & web applications that continue to automate the generation of packing slips, saving 1,000+ hours of manual calculation. <i>[Python, Pillow, ReportLab, Tkinter, cx_Freeze, Pyodide]</i>
	<b>BTools</b>	Developed reporting automations and streamlined clinical document transcription suite, generating over 4,000 documents in 3+ years. <i>[Python, Pandas, Jupyter, Jinja2, WeasyPrint, Poetry, Typer]</i>
	<b>aidan.software</b>	Minimal portfolio website. <i>[Python, FastAPI, Pydantic, WebSockets, JWT, REST, SQL, WebPush]</i>
	<b>Homelab</b>	Open-source applications for personal use running in-home, reverse proxied through a VPS connected by WireGuard VPN. <i>[WireGuard, VPS, Caddy, Debian, Networking, DNS, Postfix, Dovecot, fail2ban]</i>
	<b>misc</b>	CLI PDF manipulation tools. <i>[Python, PyPDF, Typer]</i> Stellar Lumens balance tracker. <i>[Asyncio, HTTP APIs, SQLite3]</i> Python package namespace viewer. <i>[Python, ASTs]</i> Pip-installable, Jupyter compatible, top-level exception silencer <i>[PyPI]</i>
	<b>Parked</b>	<i>Coursework.</i> Parking garage simulation Android application, course did not cover Android development. <i>[Java, Android, Android Studio]</i>

<b>Skills</b>	<b>Languages</b>	<b>Python</b> , Java, JavaScript, HTML, CSS, BASH/Shell, C/C++, Rust.
	<b>Frameworks</b>	FastAPI, SQLAlchemy, ExpressJs, Svelte/SvelteKit, Shoelace, Android SDK.
	<b>Tools &amp; Misc.</b>	Git, GitHub, Linux, Windows, Android, ChatGPT, vim, helix, VSCode, PyCharm, Google Search, Google Workspace, Microsoft Office.
	<b>General</b>	Problem solving, copywriting, technical writing, basic photo & video editing, typing, researching, document design, communication.

<b>Employment</b>	<b>BT Orthotic Labs</b> <i>JUL 2019 -</i>	Consultant on technical decisions, configured HIPAA compliant eSignature platform, patient surveying, reporting, and established digital operating procedures. Constant use of Python for automation and reporting. Responsibilities include reception, data entry, copywriting, IT setup & maintenance, and insurance billing & appeal.
	<b>CenterSpan Medical</b> <i>NOV 2017 -</i>	Contracted to develop, maintain, and update an internal packing slip generation program, saving over 1,000 hours of manual calculation over 5+ years. See <b>Projects:Ramp It Up!</b> . Primarily responsible for metalwork, assembly, and CNC mill operation.
	<b>Mosquito Joe</b> <i>JUN 2017 - NOV 2018</i>	During off season cold-call sales, developed internal tooling for contract templating, resulting in an expedited client sign-up process. Primarily employed as a pesticide technician responsible for client property applications and training.

<b>Education</b>	<b>Suffolk County Community College</b> <i>SPRING 2019 - SPRING 2020</i>	- Advanced Object-Oriented Programming - Calculus II & III - Statistics I - Logic
<i>Overall relevant coursework GPA: 3.46</i>	<b>Hofstra University</b> <i>SPRING 2016</i>	- Fundamentals of Computer Science
	<b>Cornell University College of Engineering</b> <i>FALL 2015 - SPRING 2017</i>	- Calculus I - Object Oriented Programming & Data Structures
	<b>Chaminade High School</b> <i>2011 - 2015</i>	Private high school known for rigorous academics.

**Thank you for your consideration.**