

# Dmytro Petryshchuk

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## WORK EXPERIENCE

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### OneKeyFlow

Feb. 2026 – Present

Founder

Menifee, CA

AI automation agency supporting small to medium-sized businesses by enhancing workflows with AI automation solutions.

- Built an event-driven pipeline using n8n, Google Apps Script, and the Anthropic API that auto-generates DOCX and Markdown reports for 70 SKUs on a Google Sheets status change, cutting report time from 30 to 3 minutes per SKU.
- Integrated a BatsCRM quote form into a client website, routing new leads directly into their CRM on form submit.

### Midtronics

May 2023 – Nov. 2025

Embedded Software Engineer (Intern 1/3, Full-time 2/3)

Willowbrook, IL

Midtronics is the global leader in automotive battery diagnostics, relied upon by nearly every major OEM (Ford, Toyota, GM, BMW, Honda, Rivian, etc.).

- Built firmware for an EV battery module balancer in C with a 3-person team, from concept to live demo in Japan in 8 months.
- Wrote RF compliance docs enabling CPX-900 sales in international markets.
- Built a suite of internal dev tools to speed up firmware delivery, including a build deploy manager, ADC monitor, GPIO relay tester via serial, and a Jira REST API script that synced ticket states and drafted release emails on each build.
- Saved \$1,000/month in engineering time by cutting manual steps from firmware release cycles.
- Ran AI development workshops for 25 embedded engineers, shifting team workflows toward LLM-assisted coding.
- Redesigned core UI components including lists, virtual keyboards, WiFi, and battery history views, adopted as standards across the product line.

## EDUCATION

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### University of Illinois at Urbana-Champaign

Aug. 2021 – Dec. 2024

Bachelor of Science, Computer Engineering

Urbana, IL

- GPA: 3.5/4.0

### Technical University of Denmark

Aug. 2023 – Dec. 2023

Major: Exchange Program

Lynghby, Denmark

## PROJECTS

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### Valandar

Jan. 2026 – Feb. 2026

- Built a full-stack Word add-in that cut contract review from 6 hours to 20 minutes for 30 documents per month, using Django, PostgreSQL, the OpenAI Responses API, and the Word JS API, hosted on Heroku.

### Fairquanta

Dec. 2025 – Feb. 2026

- Read academic papers across AI memory systems, long-horizon task planning, collaborative filtering, and psychometrics to shape the architecture, UI, and product direction of a team-coordination AI platform.

## SKILLS, TECHNOLOGIES & INTERESTS

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- **Skills:** AI/LLM Integration; Workflow Orchestration; Firmware Development; Full-stack Development; Customer-facing; Communication
- **Technologies:** C; Python; Javascript; SQL; Django; n8n; Make; OpenAI/Anthropic APIs; OpenAI Responses; Agentic frameworks; MemOS/EverMemOS; Word JS API; Google Apps Script; Git; JIRA
- **Interests:** Entrepreneurship; Meditation; Philosophy; Writing