

Michelle Chang

michellechang1115@gmail.com
+358 41 326 6469
[linkedin.com/in/michellechang1115/](https://www.linkedin.com/in/michellechang1115/)

I'm an **interaction designer** building fun, user-centered experiences. Ask me about mixed-reality, privacy-aware intelligence, and even satellite deployment simulations!

research	Aalto University <i>Ambient Intelligence Group</i> 01.2026 - Present Multi-user RFID-based Gesture Recognition with Federated Learning
experience	Intuit <i>Backend Software Engineer II</i> 2021 - 2024 Workflow Automation with Applied AI Built an AI-driven integration test pipeline that parsed requirement specs into executable Playwright simulations, ensuring end-to-end validation with penny-level accuracy. QuickBooks Online UK Enabled small businesses to make data-driven financial decisions through reliable online pay-slip service. Resolved caching inefficiencies and improved system performance by 40%. Intuit <i>Software Engineer Intern</i> Summer 2020 Dynamic Configuration Management Developed a Spring configuration management service library to support dynamic runtime config updates, improving reliability via local cache fallback.
education	Aalto University KTH Royal Institute of Technology <i>M.Sc. in Human-Computer Interaction Design (joint program)</i> 2025 - 2027 Carnegie Mellon University <i>B.Sc. in Electrical and Computer Engineering</i> <i>Minor in Game Design</i> <i>Graduated with University Honors</i> 2017 - 2021
bachelor thesis	ConFFTi <i>FPGA-based music synthesizer (poster)</i> Spring 2021 Engineered real-time audio pipelines that generate and process waveforms through digital oscillators and mixers. Validated against industry synthesizer standards, achieving targets for latency, distortion, programmability, and 44.1 kHz stereo output.
skills	Software Development Python, Java, C++, C, SQL, TypeScript, Unity, C#, HTML/CSS Product Design Rapid Prototyping, Interaction Design, Usability Testing, Collaborative Evaluation, Figma, FigJam, Miro DevOps / Tooling Splunk, Jenkins, Docker, Kubernetes, AWS, Postgres, Jira, CI/CD