Neil Wong Hon Chan

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EDUCATION

- **Rochester Institute of Technology** — Rochester, NY
  BS/MS in Computer Engineering; GPA: 3.87/4.00 — 2010 – 2015

PROFESSIONAL EXPERIENCE/RESEARCH

- *Amazon.com, Inc.* — Seattle, WA
  Senior Software Engineer — Oct 2022 – Present
  Tech lead for the Amazon Photos desktop team - oversee a team of 4 devs and 1 QA to support the desktop app on macOS and Windows. Collaborate with cross functional teams across front-end clients (Mobile and Web) and back-end service teams to preserve customers' memories.

  Software Engineer — Oct 2018 – Oct 2022
  Working on the Amazon Photos desktop app for both macOS and Windows. Integrating new features and building delightful UIs for our customers.

- *Intel Corporation* — Hillsboro, OR
  Software Engineer — Jan 2016 – Sept 2018
  Implemented new features and APIs for the Windows and Android Intel Context Sensing SDK to simplify customer's interaction with Intel hardware.
  Enabled new sensor use-cases for the Intel Integrated Sensor Hub (ISH) which was shipped in multiple OEMs (Dell and HP).

- *Leuze Electronic* — Fairport, NY
  Software Engineer Intern — June 2014 – Aug 2014
  Worked on the Phytec phyFLEX I.MX6 SOM and developed a simplified kernel for the Linux OS. Created a single-shot camera driver and xmodem protocol for the microcontroller as proof of concept. Complied with software development practices and documented performance test results.

- *Leuze Electronic* — Fairport, NY
  Embedded Software Engineer Intern — June 2013 – Aug 2013
  Designed, implemented, and tested the system software for both a legacy and a new proprietary barcode scanner. The project involved the conversion of drivers, decoders, and other modules working on a 16-bit to a 32-bit ARM microprocessor as well as creating an automated testing system.

- *Thomson Reuters* — Rochester, NY
  Software Engineer Intern — Mar 2012 – Aug 2012
  Implemented workflows to automate manual build processes and worked with a web based tool, AntHillPro, to configure and deploy changes in software codes and documentations.

- *Net IP Laboratory, RIT* — Rochester, NY
  Research Assistant — Dec 2011 – May 2015
  Collaborated on different research areas including Frequent Pattern Mining, Resource Access Monitoring of Android Systems and methods to analyze Social Networks and how they relate to Cyber Security.
  - Published Master's Thesis 2015: SCANNER: Sequence Clustering of resource Access to find Nearest Neighbors.
  - Published IEEE DSC 2017: SCANNER: Sequence Clustering of Android Resource Accesses.

TECHNICAL SKILLS

- **Programming Languages**: C#, Python, Java, JavaScript, TypeScript
- **Familiarity with**: React, Redux, Jest, AWS, TeamCity,
  Windows/macOS development, VSCode, IntelliJ, Android Studio