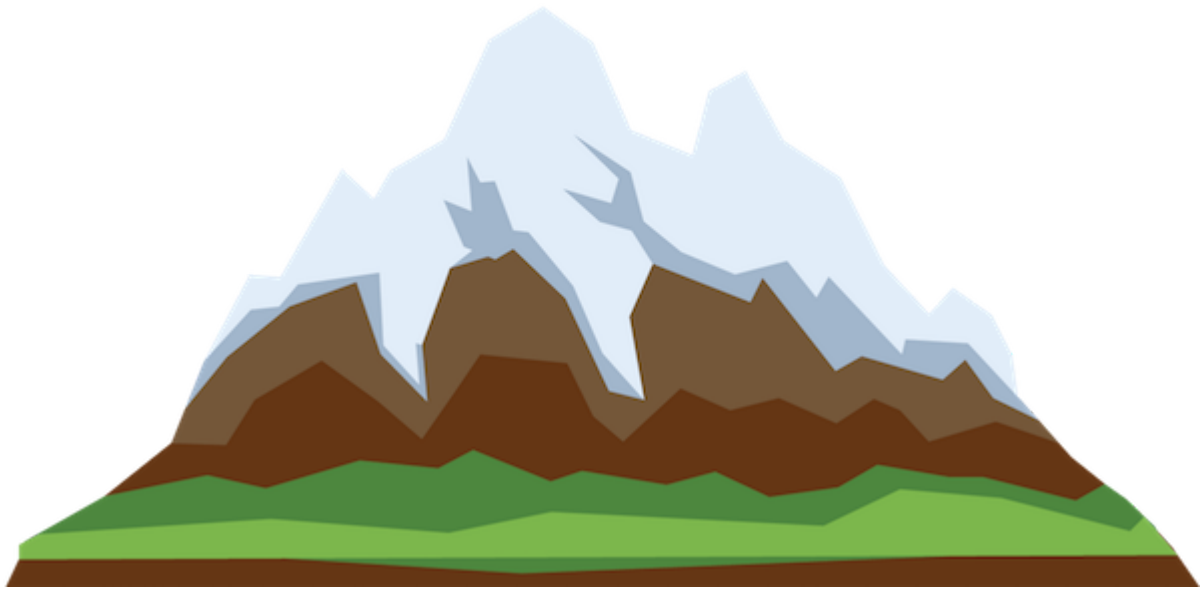


Hello, I'm Leonard

A Software Engineer / Programmer.



Hello.

I am a Software Engineer /
Programmer



My Skills

Competency

- Unix/Linux System (25 years)
- CAD Automation Flow for Cadence and Synopsys CAD tools
- Program Language C (25 years), C++ (2 years), Java (2 years)
- Scripting Languages
 1. Shell Script (25 years)
 2. Tk/TCL (20 years)
 3. Python/PyQt (3 years)
 4. Perl (5 years)
 5. Angular2 & Typescript (3 months)
 6. HTML, CSS, REST API (3 months)
- Database
 - RDBMS (SQL, Oracle, Sybase) (15 years)
 - Splunk(NoSql) database (3 months)
- Revision Control: Perforce, VCS
- Excellent communication and enjoy team work/self contribution
- Proactive to provide/suggest solutions and enhancement



Design & Development

Online Classes (On Going)

- 100 Days of Code -- The complete Python Pro Bootcamp 2021 (On Going)
 - IDE: PyCham, Atom
 - Python Language
 - Data Structure: Lists, Dictionary, Tuples and Set
 - Flow Control, Object Oriented Programming, Functions, I/O
 - Python Libraries: Turtle Graphical Package, Pandas CSV Package,

- json Package, GUI Interface with TkInter Package
 - Handling Exception
 - Send email with sms Interface
 - API Interface with HTTP Request Modules (Get, Post, Put, and Delete Requests, Receive Response, Create json file
- HTML and CSS
- Web Scraping, work with BeautifulSoup, Spotify packages
- Learn Python Programming Master Class (On Going)
- Complete JavaScript Course 2021: From Zero to Expert (On Going)
- Angular Crash Course for Busy Developers (On Going)
- Splunk 6.X Fundamentals(On Going)
- Cloud Control Panel From Scratch using Python/Django(On Going)

Experiences

- **Senior Software Engineer at Altera/Intel (Sept 2017 - Jan 2018)**
 - IDE: Visual Studio
 - Worked on Dashboard App with Angular2, TypeScript, REST API, HTML, CSS and NoSQL
- **Principle Software Engineer at Oracle (Nov 2013 - Jan 2015)**
 - Backend Verification Flow for deep sub-micron processes
 - Implemented Tapeout Flow for 20NM process
 - Implemented Cut OD Flow for 16NM process
 - Implemented Queuing system in "Inter-active" GUI tool
 - Support, Maintain and Enhance GDS Applications
 - Environment: Linux
 - Tools: Mentor Graphics Calibre Verification Tools
 - Language: C, Tcl/Tk, C-Shell
 - RDBMS: MySQL
- **Senior Software Engineer at Texas Instruments (Jul 2011 - July 2013)**

- Collaborated with R&D group to design, develop and QA transformer/inductor optimization and synthesis tool.
 - Environment: Linux
 - Language: Python and PyQt4
- Took over Memory Compiler Software and collaborated Memory Design group to add additional features and supporting EDA tools
 - Environment: Linux
 - Language: C, Perl
 - RDBMS: MySql
- **Software CAD Engineer Manager at National Semiconductor Corp. (Aug 1984 - July 2011)**
 - Collaborated with Memory Design group to design, architect, develop and QA Memory Compiler software that has the features to produce multiple CAD tools database format, such as GDS, Netlist, LEF-DEF, EPS, CDL, Datasheet, Timing-Verilog
 - Environment: Linux
 - Language: C
 - Scripting: Tk/Tcl, C-Shell, HiDB (Internal scripting language (similar to Tcl))
 - Project leader and developer of Reticle Generation tool. Collaborated with multiple Fabrication sites and Mask Making group to define the requirement specification, and work with remote site software group to develop and QA the tool
 - Environment: Linux
 - Language: C
 - Scripting: Tcl/Tk, C-Shell
 - RDBMS: Sybase SQL
 - Project leader and developer of Tapeout Cockpit system to control/run final verification flow (DRC, ERC, Soft-Check, LVS) for both Cadence Assura and Synopsys Hercules physical verification tools.
 - Environment: Linux
 - Language: C
 - Scripting: Tcl/Tk, C-Shell
 - RDBMS: Sybase SQL



Education

BS Computer Science
January 1980 - April 1982
Central Michigan University

MS Computer Science
Aug 1982 - Dec 1983
Central Michigan University



Get In Touch

Contact Me

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