Asher C. Martin

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Languages	Algorithms
Sequential / Procedural / Functional - HTML / JavaScript / CSS / PHP- Java / C++ / C / Verilog / VHDL / RTL / Python / Perl / Ruby / Shell	- Depth / Breadth / Beam / Temperature / Data Clustering: - K-Means / KD / Trees / Hashing / Mapping / Computational Geometry
Operating Systems	**Data Structures**
Linux / MacOS / Windows / BSD	Compression & File Research PNG / JPEG / SVG / MPEG / WAV
Software and Hardware Prototyping	**Artificial Intelligence**
- FPGA, I/O, Memory / USB / Custom- Digital and Analog (Breadboard) - Interface / Controllers /	Search / Pattern Matching (RegEx) Computational Neuroscience / Image Transforms / Object Recognition / Neural Networks / Generative AI
DATABASES	**CYBER SECURITY**
SQL / MySQL (MariaDB) / PostgreSQL / PHP Admin	Sockets / Packets / Parallel, Threads, Signals / Events / Video and Audio Networking / Geolocation / Google Maps API / OSM API

EDUCATION

University of Illinois at Urbana-Champaign (BSECE Electrical Engineering) Additional Education: City College of San Francisco (International Business and Law) College of DuPage (Art) City College of Chicago (Psychology)

AWARDS and CERTIFICATIONS

* Top 20% of Stackoverflow Developers (11+ Million ppl)
* Undefeated Chicago Area Suburban High School Chess Champion
   (21st in the Nation in High School Speed Chess)
* Certification in JavaScript (HTML) LinkedIn |
* Many Computer Computer Science and Electrical and Computer Engineering University Coursework