

Luke Vu

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Education	University of Massachusetts Boston BS in Computer Science GPA: 3.86 Boston, MA			Sep 2019 May 2021
Courses	Compilers Software Engineering Theory of Computation Data Struct. & Algo.	Operating Systems Database Management Systems Computer Architecture & Org. Programming in C	Mobile App. Development Struct. of High Level Lang. Advanced Algorithms Intro to Computation	
Skills	Languages: Technologies: Operating Systems:	Java, Python, Kotlin, C, SQL, Scheme, HTML, CSS, LaTeX Docker, Apache Airflow, MongoDB, Git Ubuntu, Windows		
Projects	j- Compiler, Java j- is a compiler built with a hand written scanner, parser, AST/context/type representations, and JVM/MIPS code emitter for the j- language, a non-trivial subset of Java. Data Pipeline for US Case Law, Python, Docker, Airflow, MongoDB This is an automated Extract-Transfom-Load pipeline that retrieves and stores US Court Law data into a database utilizing parallel processing and a standardized and consolidated data model. MBTA Buddy, Kotlin, Android Studio This is an Android mobile application that leverages the publicly available MBTA API to provide predictions for train/trolley arrivals at MBTA stops. Metacircular Evaluator, Scheme This is a REPL interpreter written in Scheme for a subset of its own language.			
Experience	United States Marine Corps Reserves Aviation Communication Systems Technician Chicopee, MA			Aug 2016 Present
	<ul style="list-style-type: none">• Perform and supervise the maintenance of radios and communications systems within designated units of the Marine Air Control Group (MACG)• Run installation, operation, performance testing, alignment, and troubleshooting of all voice communications equipment, encryption devices, electronic assemblies and subassemblies, fiber optic cables, and system software used in the Marine Air Command and Control Systems (MACCS)• Utilize proper safety procedures in system maintenance and operation• Diagnose and isolate equipment malfunctions to the fault, and verify that the malfunctions were fixed• Conduct periodic inspections and perform necessary preventative maintenance on various systems and equipment• Maintain necessary documentation of diagnostics and operational tools, test equipment, and supplies			
Misc.	Security Clearance: DoD Secret Clearance Awards & Honors: Dean's List (all semesters), Summa Cum Laude			