

Benjamin Willey

Dallas, TX • (469) 600-4725 • ben@wwilley.com • <https://benjwilley.github.io/>

OBJECTIVE	Seeking an internship in Systems Software Engineering for Summer 2023	
EDUCATION	Texas A&M University (TAMU) , College Station, Texas <i>Bachelor of Science in Computer Engineering</i> , May 2024 Major GPR: 3.857, Cumulative GPR: 3.850 <i>Pursuing minor in Math</i>	
RELEVANT COURSEWORK	CSCE 221 , Data Structures/Algorithms ECEN 350 , Computer Architecture ECEN 214 , Circuit Theory CSCE 222 , Discrete Math	CSCE 313 , Intro to Computer Systems ECEN 469 , Advanced Computer Architecture ECEN 248 , Digital System Design CSCE 120 , Program Design and Concepts
TECHNICAL SKILLS	Software C++ Threading Linux Processes Data Structures Python Hardware Verilog Computer Architecture ARM ISA Digital Logic Design	
PROJECTS	Multithreaded Database Using TCP/IP <i>CSCE 313, Fall 2022</i> <ul style="list-style-type: none">• Developed C++ client server program to send files over a network.• learned to configure the network using sockets.• Improved my threading and mutex skills. ARMv8 Processor <i>ECEN 469, Summer 2022</i> <ul style="list-style-type: none">• I designed and implemented a single cycle ARM processor in Verilog running 32-bit ARMv8 instructions from a Verilog memory module.• I learned GTK wave for verification and debugging.	
STUDY ABROAD	Swansea, Wales <i>Computer Architecture, ECEN 350 & 469, Summer 2022</i> <ul style="list-style-type: none">• Experienced foreign culture and history touring castles and museums.• I attended lectures at the ARM headquarters when in Cambridge.• Better access to professors improved my learning.	
WORK EXPERIENCE	Ventex Oil and Gas <i>Summer 2019</i> <ul style="list-style-type: none">• I built a workstation desktop for the needs of the geologists.• Organized moving files to a new office.	
LEADERSHIP	Vex Robotics Team, Highland Park High School <i>Team Captain</i> <ul style="list-style-type: none">• Lead a team of 5 to design and build a robot to compete in tournaments.• This taught me to properly document product design using engineering notebooks. Eagle Scout, Troop 82 <i>Fall 2019</i>	
ACTIVITIES	Aggie Coding Club Phi Delta Theta I enjoy hiking, camping, skiing and biking.	