

Eugene Choe

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EDUCATION

University of Texas at Austin

May 2018

B.S., Electrical and Computer Engineering

EXPERIENCE

Undergraduate Technical Intern, Intel Corporation

Summer 2016- Present

- Provided technical support for project management and analysis team, producing efficient solutions to complex data problems.
- Scripted data parsers in Perl for technical data reports.
- Designed automated test suite for a data aggregation framework.
- Developed single page application purposed for viewing high level schedules viewed across multiple project management teams.
- Automated ticket-tracking spreadsheet with VBA scripts to send weekly emails to developers of internal tools with technical issues filed by customers.

Java Developer, University of Utah

Summer 2015

- Supported the development of the Synthetic Biology Open Language Library.
- Programmed test cases for Java method and registered bugs on Github.
- Regularly consulted with PI about security issues in cloud storage.

PROJECTS

Transceiver Subsystem Design, University of Texas

Spring 2017

- Implemented transceiver subsystems in C on a TMS320C6748 processor.
- Utilized different convolution algorithms to realize the tradeoffs between implementation complexity and signal quality/communication performance.
- Simulated filters in MATLAB to address complexity of the filter design and practicality of implementation in a real-time embedded environment.

Android App Development, University of Texas

Summer 2016

- Utilized API modules to visualize transaction data from bank accounts.
- Developed app that pulled stock data to calculate daily dividend yields.
- Applied Agile Development strategies to develop apps in timely manner.

LC3 Simulator Development, University of Texas

Spring 2016

- Simulated the LC3 machine in C, implementing characteristics common in modern processors, such as virtual memory, pipelining, and branch prediction.

SKILLS

C, C++, Java, Python, Perl, JavaScript, HTML, CSS, MySQL, MATLAB, LabVIEW, LC3, ARM Cortex-M, Real-time DSP implementation, Hardware testing and debugging, Microsoft Excel, Linux, VBA