

Jiho Choi

choi296@purdue.edu || jihochoi1993@gmail.com

(765) 430 - 5585

github.com/jihochoi

web.ics.purdue.edu/~choi296/

OBJECTIVE

To obtain an internship / CO-OP position for Summer / Fall 2017 in software engineering, development related fields.

EDUCATION

Purdue University - West Lafayette, IN

Dec. 2017 (Expected)

B.S. in Computer Science

Cumulative GPA: 3.12 / 4.00

(* = courses to be taken in Fall 2017)

- **Systems Programming:** *Compilers, Operating Systems, Computer Networks, Database Systems, Cloud Computing Security
- **Computational Science & Engineering:** Numerical Methods, Analysis of Algorithms, SW Engineering, SW Testing

RESEARCH / RELATIVE EXPERIENCE

Apache Storm Benchmark Implementation

Jun. 2016 - Dec. 2016

- Expanding Yahoo Streaming Benchmark to test encrypted streaming data operations' performance using Apache Storm and Kafka framework. (Supervisor: Prof. Eugster)
- Using nodes of AWS EC2 to evaluate the performance of the streaming data in cloud computing environment.

Undergraduate Teaching Assistant

Purdue Univ. West Lafayette, IN

Aug. 2016 - Present

- Teaching and helping the undergraduate students in Computer Architecture (CS250) lab sessions.
- Focused materials are logic gates, circuit design, and ARM assembly language. (Supervisor: Prof. Adams)

Full Stack Web Developer

Purdue ISEEK, West Lafayette, IN

Oct. 2016 - Jan. 2017

- Developed the static webpage for Purdue University's Institute for Social Empowerment through Entrepreneurship and Knowledge (www.krannert.purdue.edu/centers/iseek) using HTML5/CSS3, JS, and Bootstrap framework.

Web Master

Purdue KUSA, West Lafayette, IN

Aug. 2013 - Dec. 2015

- Developed and maintained webpages for school organization (Purdue KUSA: www.purdue.edu/kusa).

SOFTWARE DEVELOPMENT PROJECTS

Remote File Sharing System

Jan. 2017 - May. 2017

- Implemented Torrent like P2P file exchanging program using socket API and multi-threading in C.

Coconut Water

Jan. 2017 - May. 2017

- MEAN Stack (MongoDB, Express, Angular, Node.js) web application to connect students in same courses.
- Google Auth, Real-time chatroom, Post are key features. (CS408 Software Testing, Supervisor: Prof. Jagannathan)

XINU Operating System Modification

Jan. 2016 - Dec. 2016

- Implementing additional features like round-robin semaphore and optimizing process scheduler in XINU OS. (CS354 Operating Systems, Supervisor: Prof. Payer)

Sentinel Data Vault

Aug. 2015 - Dec. 2015

- Developing GUI Database managing program with Java, SQLite, and Java Crypto API.
- (* This Java application helps users to store and transfer massive important information efficiently and securely.)
- (CS307 Software Engineering, Supervisor: Prof. Dunsmore)

Perfect Note IBM Bluemix

Oct. 2015 - Dec. 2015

- Developing interactive web application with AngularJS, Bootstrap using IBM Bluemix Server and Database.

My Own Shell

Jan. 2015 - May. 2015

- Implemented Bash like shell using Lax/Yacc and C++ which has wildcard processing, subshell, and extra features.

HTTP Server (Apache HTTP Server)

Sep. 2015 - Nov. 2015

- Developing Linux TCP / HTTP server program with C++ Socket API.

iOS Purdue App

Jul. 2014 - Sep. 2014

- Participating in developing Purdue iOS App with Purdue iOS Development Club.

SKILLS

- Programming Language : C/C++, Java, Bash, HTML5/CSS3, JavaScript, Clojure, SQL, Lex/Yacc, and Swift.
- Software : IntelliJ, Visual Studio, Terminal, Vim, Excel, MATLAB, XCode, Publisher
- Tool / Framework : Apache Storm, Hadoop, Git, MEAN Stack, and Bootstrap

LEADERSHIP / ACTIVITIES

- Purdue Korean Undergraduate Student Association - **President** Jul. 2015 - May 2016
 - Lead Purdue KUSA officers and members.
 - Hosted and directed 4 large scale events (over 400 students attended for each event).
 - Obtained 3 grants with an amount of \$10,300 from Purdue SOGA, Purdue SAO.
- Purdue Korean Undergraduate Student Association - **Officer** Sep. 2013 - Jun. 2015
 - Participated as a team leader and a team member for various small to large scale events including those named "D-Korea", "Starry Night", "Days of Korea", "Show me Your Talent," and "The Forgotten War".