

# Name

Software Engineer (New Grad.)

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## EDUCATION

<b>School, city, state</b> Master of xxxxx	date - date
<b>School, city, state</b> Bachelor of xxxxx	date - date
<b>School, city, state</b> Bachelor of xxxxx	date - date

## RELEVANT COURSEWORK

**Undergraduate:** course codename(grade), course codename(grade), course codename(grade),....

**Graduate:** course codename(grade), course codename(grade), course codename(grade),....

## WORK EXPERIENCE

### Company - Team

Software Engineer, Internship. *Related tools: xxxxx/xxxxx(PHP)/IOS & Android Testing* date-date

- Migrated the xxxxx including user interface, call to actions, logging and accessibility support from xxxxxx into xxxxxx framework. The migrated page is consistent with the original page in both IOS and Android apps. All milestones are completed ahead of schedule for 2 weeks.
- Wrote a header testing page and guarded it by the xxxxxx for QA(Quality Assurance) team.
- Passed reduction test, QA testing, and led a xxxxx session for the migrated page.
- Wrote an internal migration document and gave a xxxx talk about xxxx development for the team.

### Company - Team

Compiler Engineer, Internship. *Related tools: LLVM/C++/Compilers* date - date

- Contributed to an xxxxxxxxxxxxxx tool and the tool passed several internal benchmarks.
- Modified the LLVM codebase to enable xxxxxxxxxxxxxx on both old and new LLVM pass managers.

## ACADEMIC EXPERIENCE

### School - professor name

Teaching Assistant *Related tools: Ocaml/Rust/Functional Programming Languages* date - date

- Worked for a 100-student upper level technical elective course: xxxxxx.
- Held office hours three times a week and led weekly discussion sessions.

### School - professor name

Research Assistant *Related tools: LLVM/C++/C/Compilers* date - date

- Learnt and wrote a classic optimization LLVM path supporting dead code elimination, global constants propagation and constant folding.
- Implemented a genetic algorithm to find an optimized combination of flags for gcc.

### xxxxxx - Student Research Competition Track

Author, xxxxxx xxxxx

- Submitted an extended abstract, xxxxx, which is a new type inference algorithm combining ideas of xxxxxxxx and xxxxxxx. The algorithm is applied in a xxxxxxxxxxx functional language.
- Led a poster session, gave a final talk in xxxxxxxx and won a xxxxxxxx in student research competition.

## PROJECTS

### Network System

course name, school date

- Implemented a feedback congestion control system for pseudo real-time multimedia streaming.
- Built an overlay network utilizing application layer routing to forward UDP packets through several hops.
- Implemented a custom reliable file transfer protocol. Compared to TFTP protocol, I increased throughput by applying sliding window to transmit multiple packets at a time.

### LLVM LICM Optimization

course name, school date

- Developed a LLVM path to optimize constant calculation.
- Developed a LLVM path to do LICM optimization: move load instructions in frequent paths out of loops and fixed infrequent paths.

### XXXXXXX

school date - date [github.com/xxxxxx](https://github.com/xxxxxx)

- Designed and developed a visual novel online game supporting the user login system, lucky draw, virtual mall, card collection, and interactive chats with HTML/CSS/Javascript/MySQL/Django(Python).
- Deployed the game by uwsgi and nginx in a remote server.
- Developed a visual novel editing framework and defined a domain-specific language (DSL) for game developers.
- Released documents for setup, framework guide and trouble shooting in github.

## ACHIEVEMENTS

xxxxxx	xxxxxx	date
xxxxxx	xxxxxx	date
xxxxxx	xxxxxx	date