

# BENJAMIN A. HALBACH

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## WORK EXPERIENCE

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### Linc

*Software Engineer*

**Taipei, Taiwan**

2022-2024

- Lead development on a multi-tenant package tracking website and customization tool for it, with site components and customization UI automatically generated from customization schema.
- Built automated email response system with 90% success rate in handling customer service inquiries.
- Implemented redesign and lead development on new features for multi-tenant embedded webchat, including proactive chat and a 160% loading performance increase.
- Improved product feed Neo4j Cypher queries with 25x speedup and changed scaling from exponential to linear in number of product attributes.
- Mentored junior developer in frontend development.

### Calabrio Inc

*Associate Software Engineer*

**Minneapolis, MN**

2013-2014

- Developed software for call recording and quality management.
- Development in C++ and Java.

### The University of Alabama

*Research Assistant*

**Tuscaloosa, AL**

2012

- Maintained embedded software used for biomedical research.

### Minnesota Supercomputing Institute

*Research Assistant*

**Minneapolis, MN**

Summer 2011

- Developed novel methods for improving information gained from finite element analysis of biaxially stretched tissues.
- Worked in C++ using numerical linear algebra libraries.

## TECHNICAL SKILLS

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- **Languages:** English, Chinese
- **Programming Languages:** Python, JavaScript/TypeScript

## EDUCATION

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### The University of Alabama

*Bachelors of Science in Computer Science (BSc), College of Engineering, summa cum laude, 3.9 GPA*

**Tuscaloosa, AL**

2013

- **Presidential Scholarship:** Tuition + 2,500/year

### The University of Edinburgh

*Additional coursework in Higher Mathematics, Statistical Theory, and Artificial Intelligence*

**Edinburgh, UK**

2012-2013