

# Haley Hinze

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## EDUCATION

### CARLETON COLLEGE

ACHIEVED DISTINCTION IN

COMPUTER SCIENCE MAJOR

Graduated June 2016 Northfield, MN

Cum. GPA: 3.57 / 4.0

Major GPA: 3.76 / 4.0

Studied abroad at Aquincum Institute of Technology in Budapest Fall 2014

## LINKS

Github: // [hinzehaley](#)

LinkedIn: // [hinzehaley](#)

Website: [hinzehaley.github.io](#)

## COURSEWORK

### UNDERGRADUATE

Advanced App Development

Android Mobile App Development

Software Design

User Interface Design

Natural Language Processing

Computer Algorithms

Math of Computer Science

Abstract Data Structures

## SKILLS

### PROGRAMMING

Java ●●●●●

Android OS ●●●●●

Python ●●●●●

C++ ●●●●●

Javascript ●●●●●

### CODING TOOLS

Firebase, Google Maps, Volley,

LibGDX, Picassa, Gson

### OTHER

- Experience working on a team
- Self-motivated
- Leadership skills
- Problem-solving skills
- Intermediate Japanese language skills

## SENIOR PROJECT

### REUNION150 | ANDROID DEVELOPER

June 2015 – March 2016 | Northfield, MN

- Worked on a team of six to create and release Android and IOS applications for Carleton College’s reunion and sesquicentennial celebrations
- Received distinction for my work on this project
- Main code contributor for the Android version, available on the **Play Store**
- Utilized Google Play Services for location data, RESTful API for database access, GitHub for version control, Google Maps API for map displays
- Collaborated with Carleton Web Services, sesquicentennial board, and reunion board to create a maintainable application

## PRODUCTS

### THE VERY MUNCHY CATERPILLAR | ANDROID MOBILE APPLICATION

- Android game that utilizes Firebase for storage, database, user authentication, and app analytics
- Sensor data is used to move the caterpillar by tilting the device
- Created using a combination of LibGDX and native Android
- Available for download [here](#)

## CURRENT PROJECT

### LOOKOUT HELPER | ANDROID MOBILE APPLICATION

- Conceptualized and created an Android application to assist with pinpointing wildfire locations
- Uses user’s elevation and location combined with azimuth and vertical angle of fire to get legal and coordinate descriptions of fire location
- Utilized trigonometry and Google Elevation API
- Code available [here](#)

## WORK EXPERIENCE

### SOUTHERN IDAHO TIMBER PROTECTIVE ASSOCIATION |

WILDFIRE LOOKOUT

June 2015 – September 2016 | Donnelly, ID

- Located and reported fires and communicated with initial attack teams
- Did regular scans for smokes from a lookout tower

### CARLETON COLLEGE | CLIMBING STAFF

January 2014 – June 2015 | Northfield, MN

- Taught climbing safety and belay skills to climbers
- Supervised climbers in the bouldering area and on the climbing wall

REFERENCES AVAILABLE UPON REQUEST