

# JOHANNA LOEPKE

Availability: July – December 2018

(513) 633 9969 | johanna.loepke@gmail.com | johannaloepke.github.io  
github.com/johannaloepke | linkedin.com/in/johannaloepke

## EDUCATION

### Northeastern University – Boston, MA

September 2015 – present

Candidate for Bachelor of Science in Computer Science and Cognitive Psychology

Expected: May 2020

**Honors:** University Scholar, GPA 3.73/4.0, Dean's List

**Relevant Coursework:** Object-Oriented Design, Computer Systems, Algorithms & Data Structures, Principles of Information Science, Logic and Computation

**Activities:** NU Women in Technology, NU ACM, Observatory Committee in SEDS, Buddhist Group

### Anderson High School – Cincinnati, OH

August 2011 – May 2015

**Honors:** GPA 4.67/4.0, National Merit Finalist, 35 ACT, took 12 AP classes including Computer Science

## SKILLS

**Languages:** Java, Dr. Racket (Scheme/Lisp), HTML/CSS, *Familiar with:* JavaScript, Terminal, Assembly, Python, C, Angular

**Tools:** IntelliJ IDEA, Eclipse, Adobe Photoshop, Paw, Postman, Unity, Excel, Zeplin, GitHub, JIRA

**Operating Systems:** Windows, Mac OS, *Familiar with:* Linux

**Foreign Languages:** *Fluent:* English & German, *Intermediate:* Spanish

## EXPERIENCE

### Software Engineering Co-op – San Diego, CA

July 2017 – present

Intuit Inc.

- On-Demand Expertise (ODE) developer creating customer-facing website changes with HTML/CSS/JS, Angular and React
- Responsible for an answer providing Slackbot built with AWS Lambdas in Python that is projected to save the company \$2-3 million in contact costs
- Trained bot's machine-learning model with Mechanical Turk and voting data pipelined from DynamoDB to an S3 bucket

### Research Lab Assistant – Boston, MA

October 2016 – present

Northeastern University, Augmented Cognition Lab

- Researched how humans interact with virtual agents in certain scenarios, identifying differences based on avatar gender
- Created the scenarios in iClone 6, ran simulations with the HTC Vive, collected data with Bitalino sensors
- Received Early Research/Creative Endeavor Award

### Microsoft College Puzzle Challenge – Boston, MA

April 2016 / 2017

- Competed in, and placed 1<sup>st</sup> at Northeastern University, the Under the Sea themed puzzle/logic contest

### HackMIT Virtual Reality Game – Boston, MA

September 2016

- Independently created a Google Cardboard VR simulation of the solar system with Unity and C# scripts at this hackathon

### Research Lab Assistant – Cincinnati, OH

June 2013 – August 2014

Cincinnati Children's Hospital Medical Center, Anesthesia Lab

- Studied the effects of anesthesia on the developing brain - counting viable brain dendrite cells with NeuroLucida
- Exposed mice to anesthesia, perfused them, removed the brain, and obtained brain slides with the cryostat
- Published Paper: <http://www.sciencedirect.com/science/article/pii/S0736574815000507>

## LEADERSHIP

- Peer Mentor in Northeastern University Civic Engagement Program
- President and Founder of Ayer Homework Club, a tutoring program for elementary school students
- Over 300 volunteer hours at the Newport Aquarium
- Varsity HS Tennis Team Captain

