

# JOHANNA LOEPKE

Availability: Sept – Dec 2018

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

## EDUCATION

**Northeastern University** – Boston, MA

Candidate for Bachelor of Science in Computer Science and Cognitive Psychology

**September 2015 – present**

Expected: May 2020

**Honors:** University Scholar (full-tuition), GPA 3.73/4.0, Dean's List

**Relevant Coursework:** Object-Oriented Design, Computer Systems, Algorithms & Data Structures, Software Development, Human-Computer Interaction

**Activities:** NU Women in Technology, NU ACM, Buddhist Group, Cooking

**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, Python, Terminal, Assembly, C, Angular

**Tools:** AWS Lambda/API Gateway/DynamoDB, Unity, Firebase, Adobe Photoshop, Postman, 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 – December 2017**

Intuit

- Developed customer-facing website changes for TurboTax and QuickBooks using HTML, CSS, and JS/Angular
- Implemented complete end-to-end Serverless answer generation Slackbot built in AWS with Python Lambdas that also trains a machine-learning model projected to save the company \$2-3 million in contact costs

**Research Lab Assistant** – Boston, MA

**October 2016 – May 2017**

Northeastern University, Augmented Cognition Lab

- Researched how humans interact with virtual agents in certain scenarios, identifying differences based on avatar gender
- Created 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, April 2017**

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

**HackMIT Virtual Reality Game** – Boston, MA

**September 2016**

- Created a Google Cardboard VR simulation of the solar system with Unity and C# scripts at this 24-hour 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 a cryostat
- Published Paper: <http://www.sciencedirect.com/science/article/pii/S0736574815000507>

## LEADERSHIP

- Peer Mentor and Alternative Spring Break Leader in Civic Engagement Program
- Founded Ayer Homework Club, a tutoring program for elementary school students
- 250 hours community service at Northeastern, 300 volunteer hours at the Newport Aquarium
- Varsity HS Tennis Team Captain

