

JOHANNA LOEPKE

Availability: Sept – Dec 2018

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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, Python, Terminal, Assembly, C, Angular

Tools: AWS Lambda/API Gateway/DynamoDB, Unity, 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 – present

Intuit Inc.

- Developed customer-facing website changes for TurboTax and QuickBooks using HTML, CSS, and JS/Angular
- Responsible for a 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 – 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 1st 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

- Studies 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
- 300 volunteer hours at the Newport Aquarium
- Varsity HS Tennis Team Captain

