

JOHANNA LOEPKE

Availability: July - Dec 2019

johanna.loepke@gmail.com | johannaloepke.github.io | github.com/johannaloepke

EXPERIENCE

Software Engineer / Product Manager Co-op – ASICS Digital – Boston, MA **August 2018 – present**

- Contributed to a complete frontend rewrite in JavaScript and updated Go backend functionality for OneASICS, a registration, membership, and personalization service
- In progress: Leading product discovery on ASICS membership by researching competitors, creating surveys, conducting customer interviews, and sharing insights with management

Software Engineer Intern – Microsoft – Seattle, WA **May 2018 – July 2018**

- Worked on text-to-speech functionality in C++ for Narrator, a screen reader for blind and low-vision users, on the Windows Accessibility team
- Architected and developed the Read-by-Sentence feature - a high-priority user pain point - considering extensibility and corner cases when making design decisions and writing tests for a large legacy codebase

Software Engineer Co-op – Intuit – San Diego, CA **July 2017 – December 2017**

- 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 – NU Augmented Cognition Lab – Boston, MA **October 2016 – May 2017**

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

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 Children's Hospital – Cincinnati, OH **June 2013 – August 2014**

- Studied the effects of anesthesia on the developing brain - perfused mice and counted viable dendrite cells on NeuroLucida
- Published Paper: <http://www.sciencedirect.com/science/article/pii/S0736574815000507>

SKILLS

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

Tools: AWS Lambda/API Gateway/DynamoDB, Unity, Firebase, Adobe Photoshop, Zeplin, Sketch, GitHub, JIRA

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

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 (full-tuition), GPA 3.75/4.0, Dean's List, Early Research/Creative Endeavor Award

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

Activities: NU Women in Technology, ACM, IDEA Venture Accelerator, Buddhist Group, Cooking, Music Production

LEADERSHIP

- Tutor for Fundamentals of Computer Science II, an introductory course in Java
- Alternative Spring Break Leader for sea turtle conservation in the Bahamas
- Awarded Jelly Incubation Fund for diversity initiatives within the College of Computer and Information Science
- Founded Ayer Homework Club, an after-school tutoring program for elementary school students