

MAXWELL OMDAL

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EDUCATION

University of Minnesota

September 2017 – May 2021 (Expected)

- Bachelor of Science; Computer Science
- Minor; Mathematics
- GPA: 3.53

Lakeville North High School

September 2013 – June 2017

- Graduated 3rd of 450

EXPERIENCE

Associated Software Developer, RBC Wealth Management

September 2019 – Present

- Led team of Business Analysts and Production Support to deliver a tool automating task previously taking 8 hours per week
- Worked to development further business operations automation using Python

Teaching Assistant, University of Minnesota Computer Science Department

September 2019 – Present

- Helped with instruction for Program Design and Development in C++ on Unix machines, a writing intensive class focused on design patterns, documentation, and source code management
- Led weekly labs, facilitating discussion on coursework and helping students learn

IT Intern, RBC Wealth Management

June 2019 – August 2019

- Wrote production code to automate workflow setups by browser automation using Python, Selenium and BeautifulSoup—the RPA tool is estimated to save \$56,000 annually in labor costs
- Created a python tool to upload spreadsheet data to SQL server and display daily performance test updates in Tableau server—the tool was built to increase productivity while executing performance analysis

Web Developer, University of Minnesota Athletics Center

March 2019 – May 2019

- Supporting and expanding the University's intranet site for athletics
- Full stack development in PHP with SQL Server

Support Technician, Saint Anthony Falls Laboratory

November 2018 – June 2019

- Helped clean server data with bash scripting and worked in server center to add additional hard drive space in a RAID setup
- Maintain and build powerful Windows and Unix workstations for geological process simulations

IT Shared Systems Intern, Travelers Insurance

June 2018 – August 2018

- Built a tool to visualize transactions within a platform for delivering predictive models as a service. The web platform queries and aggregates data from a MongoDB database. The platform is built on REST APIs using Angular and NodeJS
- Placed 1st in an intern competition for progress over the course of the Summer in a handful of activities and events

ACTIVITIES

General Member, Design-U

January 2018 – January 2019

- Collaborated on a team of five completing User Interface work for local non-profits and startups; used tools such as Adobe Illustrator, InDesign, and Slack
- Developed a Wireframe/UX for mobile app for *Tavolo*, a startup aiming to disrupt the modern dining experience

Guild of Robotic Artisans – Project Manager

September 2018 – May 2019

- Lead team studying machine learning and its applications in art and painting—used TensorFlow to identify shapes in an image, then reproduced the path necessary to paint a series of shapes onto a canvas with gcode
- Managed project with Git and GitHub

AWARDS

1st Place, University of Minnesota Innovation Challenge

November 2017

- Awarded 1st place by panel of faculty judges for an app concept to help students stay safe on campus with access to safe walking routes and transportation

Speaker, Commencement Address

June 2017

- Spoke at high school graduation of 450 students on the importance of hard work and passion for learning