Kyle C. Vedder

161 Orchard Hill Drive, Rm 419, Amherst MA, 01003

(774)-275-4570 | kyle@vedder.io | vedder.io | github.com/kylevedder | linkedin.com/in/kvedder

Education

University of Massachusetts Amherst

B.S. in Computer Science *2015 - 2019*

- GPA: 3.89

Skills

- Proficient in Java (Eclipse/Netbeans) and C/C++ (Visual Studio/Emacs)
- Experience with git, Spring Boot/Web/MVC, FlumeJava, Scala, Python, SQL, HTML, CSS, Bash, FORTH, LaTeX
- Develop on Windows and Debian Linux
- Web Service development, Robotic systems programming and development, Microcontroller programming, Socket programming, some Real Time system development

Experience

Google Inc

Software Engineering Intern *Summer 2016*

- Working with AdWords division to deliver to users useful, statistics driven insights about their ad campaigns.

Unidesk Corporation

C++ Developer *Summer 2015*

- Worked with a team of engineers to successfully design and implement a framework to test proprietary offline Windows registry hive manipulation APIs. Wrote C++ framework to call Win32 APIs to provide setup and validation of registry hives manipulated by Unidesk's registry hive editor.

Unidesk Corporation

Robotics Intern *Summer 2014*

- Worked with the CTO and CMO to successfully implement an articulated robot arm for a trade show to be manipulated by attendees through an iPad. Wrote Java backend to implement a JSON based web service to accept highlevel user input, translating the commands into lowerlevel FORTH commands to choreograph robot movements while avoiding collisions.

Extracurricular Activities

Marvin Gardens

Co-Founder & Principal *Jun. 2010 - PRESENT*

- Developed *Nectr*, a meal filtering service designed around filtering meals by their ingredients and other properties. Developed an ingredient synonym engine to ensure meals with allergen synonyms are filtered appropriately.

FIRST Robotics - FRC Team 467

Lead Programmer & Steering Committee Member *2012 – 2015*

- Led a team of several students to program a robot to meet each year's challenge within a six week development period. Coordinated architecture and design with the Electrical Team to wire the robot and define robot sensors.
- Worked with a team of five students to run twice-weekly Steering Committee meetings, oversee sub-team coordination, and manage build schedule.

Honors & Awards

Entrepreneurial Spirit Award, Grinspoon Entrepreneurship Initiative *2016*

- Received award for demonstrable entrepreneurial spirit in the development of Marvin Gardens.

Course Citation, CS 187 Data Structures and Algorithms *2016*

- Received course citation for outstanding performance and ranked in the top three students.

Dean's List, Registrar's Office *2015 – 2016*

- Made Dean's List every semester for achieving above a 3.50 semester GPA.

1st Place AWS, 1st Place Groupon, 2nd Place Overall, HackHolyoke Hackathon *2015*

- Developed a working application in twentyfour hours that can provide UMass and Holyoke students personalized daily email digests of allergysafe foods to eat at each campus dining hall. Implemented the RESTful API, Email Generation Logic, Database I/O, and Web Scrapers.

Most Technically Challenging Project Award, Blueprint HackMIT Hackathon *2014*

- Developed a working application in eight hours with a team of three other high school students that provides free internet access via SMS text messages. Implemented an HTTP service backend in Java.