Thomas J. Baxter

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Interested in an Internship or Graduate opportunity.

Software Engineering

- Third-year Bachelor of Engineering (Software) student experienced with software principles across platforms and technologies.
- Comfortable working in both self-directed and team settings, with experience working in an agile setting in both university and professional settings.

Technical Skills

- Low Level Languages: C, Java
- Higher-Level Languages: Python, JavaScript
- Other Technologies: HTML5, CSS3, SQL
- Version Control: Git, GitHub, SVN
- Experience working in Unix and Linux Systems

Work Experience

Software Developer at CSIRO, Brisbane, QLD, 6/2019 – 8/2019

I was hired following the internship to implement a minimal viable prototype or the web app designed and prototyped as an intern. This principally involved JavaScript in conjunction with the Google Earth Engine API.

Software Intern at CSIRO, Brisbane, QLD, 2/2019 – 6/2019

I worked as part of a team on interns to develop a web app employing geospatial imagery to provide insights to agriculturalists. Skills used include HTML5, CSS3, Python, JavaScript and the team is organised using Scrum frameworks.

Front End Web Developer at Labrys, Brisbane, QLD, 11/2017 – 2/2018

I was responsible for redesigning and developing the company's website. This included using HTML5, CSS3, JavaScript and jQuery to create a beautiful, responsive website in an Agile environment.

Front End Web Developer for Encompass Therapy, Singleton NSW, 4/2018 – Present

During this time I worked in a freelance capacity working with a client to implement a responsive business website. Work has continued since deployment to alter and maintain this site.

Private Tutor, 2016 – Present

I have tutored many students in a variety of subjects for the past 3 years. Recently these subjects have included Introduction to Computer Systems, Introduction to Software Engineering. During these subjects I have taught Python, including OOP principles and other foundational programming concepts, microcontroller development and basic Assembly programming.

Awards and Projects

University of Newcastle Science and Information Technology Excellence Award 2016

I received this award upon completion of year twelve after achieving first in course for Physics, Software Development and Design, Advanced Mathematics and Extension Mathematics. I was awarded a $3000 grant to assist with study and was offered a place in a STEM course of my choice at the University of Newcastle that I ultimately rejected in favour of the University of Queensland.

WeathAlert, January 2019

After talking with a friend in the agricultural industry, I used Swift in conjunction with the Open Weather Maps API to create an iOS app which automatically monitored the weather and alerted farmers when conditions were right to plant, spray or harvest rather them having to wake up hourly throughout the night to check conditions.

Education

University of Queensland – Brisbane

Completing Bachelor of Engineering Software), Graduation end of 2020

Academic Achievements: GPA of 6.4, Two-time recipient of Dean's Commendation, Member of EAIT Scholars Program

Courses Studied

- Programming in the Large
- Intro to Computer Systems
- Intro to Information Systems
- Discrete Mathematics
- Algorithms and Data Structures

- Computer Systems Principles and Programming
- Design Computing Studio 2
- Computer Networks
- The Software Process
- Human-Computer Interaction

St Catherine's Catholic College – Singleton, NSW

High School Certificate, Graduated 2016

- College Dux
- College Leader
- Placed First in Diocese for both Software Development and Design, and Advanced Mathematics