

MARK MOCEK

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EDUCATION

Seaside, CA	California State University Monterey Bay	2018
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Bachelor of Science in Computer Science and Information Technology

- Concentration in Software Engineering
- Undergraduate Coursework: Operating Systems; Data Structures; Algorithms; Computer Architecture; Calculus III

TECHNICAL EXPERIENCE

Projects

- **STOQS** (2018). STOQS uses data gathered by autonomous underwater vehicles to help researchers at the MBARI institute. Given a professionally labeled dataset, I helped implement a machine learning algorithm to categorize all newly collected data. Python, Django, SciKit learn, GitHub
- **Connect Four AI** (2017). Created an AI that used a decision tree to select the optimal move against a person playing connect four. C++
- **Student Eat Out Helper** (2018). An application that was designed to give students the ability to find cheap, nearby restaurants and allow people to donate food money to those students based on order. Possibly implement a version using DoorDash at later date. Angular 5, FireBase, GitHub Pages, Heroku
- **Smart Thermostat** (2017). Created a site that interacted with a users home thermostat and would automatically trigger their air conditioning or heating units based on gathered data and a set range given by the user. MySQL, PHP, Arduino, HTML, CSS

• Languages and Technologies

- C++; C; Java; SQL; Python; MIPS
- Visual Studio; MySQL; Android Studio; VirtualBox; GitHub; Heroku

EMPLOYMENT

Balloon Artist	A Twist on Balloons	2011-2017
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- Responsible for maintaining and replenishing inventory.
- Responsible with the acquisition and retention of customers.
- Functioned independently and had to maintain financial records and schedule events efficiently and accurately.

Software Engineer	Kukui	Winter 2016
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- Tasked with designing and creating a prototype application to assist mechanics during their inspection process.
- Learned to work in a small team and handle frequent changes to product requirements.