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**TIM CHRISTOVICH**

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## EDUCATION

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**Embry-Riddle Aeronautical University (ERAU)** *Daytona Beach, FL* - CGPA: 3.172 *Graduation:* December 2018  
Bachelor of Science in Computer Science Area of Concentration: Cybersecurity Engineering

## WORK EXPERIENCE

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**Software Engineering Intern** Thales InFlyt Experience May 2018 - August 2018

- Developed unit tests for the Java-spring and Angular 4.0 codebase for the in-flight wireless portal platform
- Utilized Jasmine and Karma to increase front-end code coverage and Mockito for the Java back-end
- Assisted in completing optimizations and improvements to existing UI/UX, participated in design meetings and reviews
- Tested and created documentation for internal development and build processes

**Software Engineering Intern** Thales InFlyt Experience May 2017 - August 2017

- Updated Android applications for Android 5.0/7.0 In-Flight Entertainment and Connectivity systems
- Implemented Android system broadcasts in Java on publish-subscribe design for unique in-flight device events
- Modified Android 7.0 source code for utilization with in-flight displays, refactoring core functionalities
- Developed build scripts for flashing Android bootloader and generating custom Android boot animation from input files

**IT Security Services Student Assistant** ERAU March 2017 - December 2017

- Collaborated with staff to respond to and mitigate security incidents
- Implemented 'attack map' dashboard to visualize activity logged by security information and event management systems
- Assisted staff with security initiatives such as training and awareness regarding information security

**Software Developer Intern** Availity May 2016 - August 2016

- Improved and updated the Availity eligibility and benefits request form with an Agile/Scrum team
- Added features to the company software platform with AngularJS and Java

## LEADERSHIP

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**President and Founder** of the ERAU TechEagles, **Organizer** of HackRiddle (2016, 2017, 2018) January 2017 - Present

- Student organization designed to build learning, outreach, and community in the software and technology community
- Lead technical workshops for students of various skill levels and disciplines
- Facilitates the committee and resources required to orchestrate the statewide campus hackathon, HackRiddle

**President** of the Mobile Application Development (M.A.D.) Club December 2015 - January 2017

## RESEARCH

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**Augmented Reality and Neuromuscular Control Systems for Remote Vehicle Operations** ERAU August 2017 - Present

- Integrated Microsoft HoloLens augmented reality display and electromyography armband for vehicle control
- Designed and implemented Python-based internet control system for remote vehicle
- Presented at the 2018 World Congress of Biomechanics, Dublin and National Conference of Undergraduate Research

## AWARDS

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- **First Place at SwampHacks 2018** Winning mobile application at hackathon with over 80 projects submitted
- **First Place at KnightHacks 2017** Fully functional Bluetooth-enabled Ionic 2 mobile application published in app store
- **Grand Prize Winner of OneSky Coding Competition** Developed a mobile application for estimating charter travel cost
- **Global Winner of Thales Arduino Challenge 2017** Arduino project prototype and UAV landing and storage concept

## SKILLS

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**Languages** Javascript (Strong), HTML and CSS (Strong), Java (Strong), Arduino/C (Intermediate), PHP and MySQL (Intermediate)  
**Frameworks and Tools** Angular 2.0+, AngularJS, RESTful services, Spring, Apache Maven, Git, mobile UI/UX, Adobe XD