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JAMES M. BACH

EDUCATION

FLORIDA STATE UNIVERSITY	Tallahassee, Florida	December 2017 Expected

Master of Science in Computer Science, CS Undergraduate GPA: 4.0, Graduate GPA: 3.97
   Undergraduate - Presidents List 2014 - 2016

UNIVERSITY OF FLORIDA	Gainesville, Florida	May 2010

Bachelor of Science in Resource Economics

PROFESSIONAL EXPERIENCE

CHALMERS UNIVERSITY OF TECHNOLOGY	Gothenburg, Sweden	Summer 2017

Graduate Research Assistant

- Researched and designed space-efficient digital multimedia reliability strategies to improve file integrity and reduce theoretical space requirements based on user access patterns and internet multimedia trends [C++, H.264, AAC, FFmpeg]
- Selected by criteria of performance and knowledge to work under a National Science Foundation grant that enables collaborative research opportunities abroad for efficient and secure mobile systems (NSF award # 1358147)

FLORIDA STATE UNIVERSITY	Tallahassee, Florida	August 2015 – Present

Graduate Teaching Assistant

- Mentoring future computer scientists, guiding them on best practices, emplacing knowledge, and confidence in the field
- Instructing classes and proctoring exams for an intermediate level C++ programming class

BLIZZARD ENTERTAINMENT	Irvine, California	Summer 2015 & Summer 2016

Software Engineer Intern, Engineering Systems, Cloud Team (2016)
Software Engineer Intern, Automation, Platform Services (2015)

- Designed and created real-time web applications and tools for complex orchestration systems to provision, run, and monitor virtualization from web services for testing and development teams. [C#, ASP.NET, Couchbase, Redis, RabbitMQ, AWS]
- Developed scalable internal tools for enterprise cloud infrastructure with a container-oriented development environment, integration, and artifact pipelining. [Docker, Python, Kubernetes, Django, NginX, GoLang, HTML/CSS, Git]

MARQUIS SOFTWARE	Tallahassee, Florida	August 2014 – April 2015

Software Engineer Intern, .NET Development

- Developed enterprise tools, diagnostic and batch reporting for multi-state correctional facilities, and consolidated documentation resources. [VB.NET, Java, Active Reports, Oracle, MS SQL, DB2, SVN, VMWare, Ant]
- Optimized departmental software documentation platform and created an interface for connecting information for development teams. [JIRA, SharePoint, HTML]

BEST BUY	Gainesville, Florida	September 2010 – April 2014

Geek Squad Manager (DCI)

- Analyzed and managed $30M+ annual financial performance through ledgers, reporting, corporate business strategies and action planning. Saved over $100,000 through improving the store write-off process
- Actively recruited, hired, and developed a team of highly-trained individuals to provide a world-class experience to clients
- Utilized creative methods to restore functionality from virus infection, OS failure, application failure and hardware failure and provided consumer and commercial product support, maintenance, repairs, logistics and service

RECENT NOTABLE PROJECTS

* Prototyped a performant, scalable enterprise message system for the US Navy [Node.js, socket.IO, AngularJS, MongoDB, MySQL]

* Developed collaborative research (ICCC 2016) merging computer vision and fine arts [Kinect, OpenCV, Unity, Python]

EXTRACURRICULAR/ACHIEVEMENTS

Cybersecurity Club at FSU 2014 - 2017, w/ CTFs	Placed 1st (2015) & 3rd (2014) in FSU Programming Contest
ACM at FSU 2014 - 2017, w/ Hackathons	CS Outstanding Teaching Assistant Award 2015 - 2016
Upsilon Pi Epsilon, Golden Key International Honor Societies	Ludum Dare 30 (2014), 33 (2015), & 38 (2017) Participant