

# ANTONIN SMID

## PERSONAL INFORMATION

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## EDUCATION

*2017-2019* **Baylor University, Waco, TX**  
*Master's Degree* *Graduated summa cumme laude* · School of Engineering and Computer Science  
Thesis: *MylCPC 3.0 - migration of a monolithic enterprise application to microservice architecture*  
Advisor: Tomas CERNY, Ph.D. · [tomas.cerny@baylor.edu](mailto:tomas.cerny@baylor.edu)

*2013-2017* **Czech Technical University, Prague**  
*Bachelor's Degree* *Graduated with distinction* · Faculty of electrical engineering  
Program: *Software engineering and management, Web and Multimedia*  
Thesis: *Comparison of Unity and Unreal Engine*  
Advisor: doc. Ing. Jiri BITTNER, Ph.D. · [bittner@fel.cvut.cz](mailto:bittner@fel.cvut.cz)

## WORK EXPERIENCE

*2019-current* **Senior Consultant, GRAPH AWARE, LTD.**  
*GraphAware.com* Full Stack development with a front-end focus. Main technologies Neo4j, Vue.

*2017-2019* **Software Developer, ICPC LAB**  
*icpc.baylor.edu* Full Stack development and maintenance of the **ICPC competition** management system. Main technologies JavaEE and React.  
Reference: Jeff DONAHOO, Ph.D. · [jeff\\_donahoo@baylor.edu](mailto:jeff_donahoo@baylor.edu)

*2015-2017* **VR developer, Co-Founder, JTT KARLIN, s.r.o.**  
*JTTKarlin.cz* Funded JTT Karlin start-up as a multimedia student initiative. We have produced visualizations and VR experiences for architecture studios in Prague. We have been also delivering design, photo and live services for conferences.

*2015-2017* **Video producer, PHANTOM CYBERNETICS, INC.**  
*PhantomAR.com* Produced visual effects and 3D content for Phantom AR campaign.  
Reference: Mirek BURKON · [mirek@phantomar.com](mailto:mirek@phantomar.com)

*2014-2016* **Postproduction Supervisor, INFOBADEN TV**  
*Infobaden.cz, Stream.cz* Designed complete visual identity for satiric Infobaden News show running at Stream.cz, for two seasons took responsibility of the studio setup (lighting, greenscreen, multi-camera) and video postproduction (infographics, keying, VFX, color corrections, retouching).  
Reference: Josef SADAR · [redakce@infobaden.cz](mailto:redakce@infobaden.cz)

*2011 - 2013* **3D Modeler, BOHEMIAN MULTIMEDIA, s.r.o.**  
*3Bohemians.eu* Prepared props for CGI 3D animated shorts Rabi Low and award winning Wildlife Crossing. Also participated in summer Anomalia Maya Masterclass.  
Reference: David TOUSEK · [david@3bohemians.eu](mailto:david@3bohemians.eu)

## RECENT ACADEMIC PROJECTS

<i>Baylor University</i>	<i>2018 - 2019</i>	<b>MyICPC<sub>3</sub></b> Redesigned an existing monolithic application into micro-services with high accent on scalability and implemented new JS frontend. Successfully deployed the solution at ICPC World Finals in Porto, April 2019. Stack: SpringBoot on Kubernetes, React, Redis
<i>Baylor University</i>	<i>Spring 2018</i>	<b>Gesture Recognition</b> Implemented gesture recognition algorithms on Leap Motion 3D skeleton data as part of the Machine Learning class.
<i>Czech Technical University</i>	<i>Fall 2018</i>	<b>The Pacman Benchmark</b> Developed a game engine benchmark using a scalable 3D reimplementation of the classical Pacman game. Presented the results evaluated on workstation, laptop, mobile and in VR at the CESCg conference.

## SKILLS

<i>Development</i>	Java&SpringBoot, Hibernate, React, Redis, Kubernetes, Postgres, HTML, CSS GOF design patterns; JBoss/Wildfly, mvn, npm, git
<i>Graphics</i>	Adobe Photoshop, Illustrator, Premiere, After Effects Blender 3D, Unity (C#), Unreal Engine

## AWARDS

<i>Baylor University</i>	2019 Computer Science Outstanding Graduate Assistant Award
<i>UPE</i>	2018 Upsilon Pi Epsilon Scholarship - Academic Achievement Award
<i>CESCg Conference</i>	Best Video Award, 3rd Best Presentation Award 2017 Central European Seminar on Computer Graphics

## OTHER

<i>Organizations</i>	since 2015 · Upsilon Pi Epsilon, Prague and Baylor chapters
<i>Volunteer Experience</i>	2018, 2019 · ICPC Services volunteer at ICPC World Finals - Beijing, Porto. since 2017 · KappaWeekends - organizing adventurous events for teenagers. 2014 - 2017 · Camp Counselor at camp J.A. Komenskeho, Belec n. Orlici. 2009 - 2017 · South Bohemian Youth Advisory Board Protestant Church of Czech Brethren.
<i>Languages</i>	English, Czech
<i>Interests</i>	Photography · Piano · Guitar · Saxophone

October 16, 2019