ALEXANDER S DAY

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SKILLS

On the Design tab of the ribbon, check out the Themes, Colors, and Fonts galleries to get a custom look with just a click.

WORK EXPERIENCE

08/2018 – Current **Graduate Research Assistant**, *University of Arizona Department of Biomedical Engineering*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

08/2021 – Current **Graduate Teaching Assistant**, *University of Arizona Department of Biomedical Engineering*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

05/2017 – 08/2017 **Research Engineering Intern**, *Roche Tissue Diagnostics (Formerly Ventana Medical Systems)*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

05/2016 – 05/2018 **Undergraduate Researcher***, University of Arizona Department of Biomedical Engineering*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

EDUCATION

08/2018 – Current **PhD, Biomedical Engineering** (expected graduation: 12/2021)

University of Arizona – Tucson, AZ

08/2014 – 05/2018 **BS, Biomedical Engineering** (GPA: 3.89, *Magna Cum Laude*)

University of Arizona – Tucson, AZ

COMMUNICATION

You delivered that big presentation to rave reviews. Don't be shy about it now! This is the place to show how well you work and play with others.

PUBLICATIONS

Alexander S. Day+, Tiffany-Heather Ulep+, Elizabeth Budiman, Laurel Dieckhaus, Babak Safavinia, Tyler Hertenstein, and Jeong-Yeol Yoon, "Contamination-resistant, rapid emulsion-based isothermal nucleic acid amplification with Mie-scatter inspired light scatter analysis for bacterial identification," *Scientific Reports*, 2021, 11:19933 (+ these authors contributed equally.)

Alexander S. Day, Tiffany-Heather Ulep, Babak Safavinia, Tyler Hertenstein, Elizabeth Budiman, Laurel Dieckhaus, and Jeong-Yeol Yoon, "Emulsion-based Isothermal Nucleic Acid Amplification for Rapid SARS-CoV-2 Detection via Angle-dependent Light Scatter Analysis," *Biosensors and Bioelectronics*, 2021, 179: 113099

Sangsik Kim+, Min Hee Lee+, Theanchai Wiwasuku, **Alexander S. Day**, Sujittra Youngme, Dong Soo Hwang, and Jeong-Yeol Yoon, "Human Sensor-inspired Supervised Machine Learning of Smartphone-based Paper Microfluidic Analysis for Bacterial Species Classification," *Biosensors and Bioelectronics*, 2021, 188: 113335 (+ these authors contributed equally.)

Tiffany-Heather Ulep, **Alexander S. Day**, Katelyn Sosnowski, Alexa Shumaker and Jeong-Yeol Yoon, "Interfacial Effect-based Quantification of Droplet Isothermal Nucleic Acid Amplification for Bacterial Infection," *Scientific Reports*, 2019, 9: 9629

VOLUNTEER EXPERIENCE

08/2019 – 05/2021 **Graduate Mentor,** *University of Arizona Department of Biomedical Engineering*

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04/2019 – Current **Grant Reviewer**, *University of Arizona Graduate Professional Student Council*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

06/2019 – 07/2019 **KEYS Graduate Mentor**, *University of Arizona BIO5 Institute*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.

05/2016 – 05/2018 **Club Officer***, University of Arizona Biomedical Engineering Society Chapter*

- This is the place for a brief summary of your key responsibilities and most stellar accomplishments.